

Receiving Report

Date: 15-05-12

Batch No: 132256

Supplier: KLX

Dart P/O: 28407

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☐ No ☒ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date _____

Received/Costing _____

Initial _____

Location _____



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO28407**

Purchase Order Date 5/8/2015

PO Print Date 5/8/2015

Page Number 1 of 7

Order From :

VU-KLX01

KLX INC.
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

MAR 08 2015

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS20601-AD4W2	Rivet	5/11/2015 Yes 5/11/2015		200.00 Each	\$0.17	\$34.00
Line Total:							\$34.00
2	MS24693-24B	Screw	5/11/2015 Yes 5/11/2015	FN	300.00 Each	\$0.15	\$45.00
Line Total:							\$45.00
3	MS21075L5	Nut Plate	5/11/2015 Yes 5/11/2015		300.00 Each	\$1.60	\$480.00

Note:

5/8/2015

SP 15-05-12



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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

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CANADA

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Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB Destination-Collect

						Line Total:	\$480.00
4	AN924-6J	NUT	5/11/2015 Yes 5/11/2015	20.00 Each	✓	\$2.00	\$40.00 ✓
						Line Total:	\$40.00
5	NAS43DD3-128	Spacer	5/11/2015 Yes 5/11/2015	10.00 Each	✓ per spec.	\$1.50	\$15.00 ✓
NAS43DD-128FC ACCEPTABLE						Line Total:	\$15.00
6	NAS1149D0663J	Washer	5/11/2015 Yes 5/11/2015	1,000.00 Each	✓	\$0.05	\$50.00 ✓
260A						Line Total:	\$50.00
SP15-05-12						Line Total:	\$50.00

Note:

5/8/2015



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1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

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Net 30

Currency

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FOB

Destination-Collect

7	NAS1149D0563J	Washer	5/11/2015 Yes 5/11/2015	FN	1,000.00 Each	✓	\$0.04	\$40.00 ✓
								260A
								Line Total: \$40.00
8	MS27039C1-08	SCREW	5/11/2015 Yes 5/11/2015		500.00 Each	✓	\$0.32	\$160.00 ✓
								Line Total: \$160.00
9	MS21060-3K	Nut Plate	5/11/2015 Yes 5/11/2015		150.00 Each	✓	\$1.37	\$205.50 ✓
								Line Total: \$205.50
10	MS21060-L3K	Nut Plate	5/11/2015 Yes 5/11/2015		100.00 Each	✓	\$1.05	\$105.00 ✓

Note:

5/8/2015

SP15-05-12



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CANADA

Contact Name

Vendor Phone

305-925-2600

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

311						Line Total:	\$105.00
11	MS20427M3-3	Rivet	5/11/2015 Yes 5/11/2015	500.00 ✓ Each	\$0.04	\$20.00 ✓	
						Line Total:	\$20.00
12	MS20600-AD4W4	Rivets	5/11/2015 Yes 5/11/2015	1,000.00 ✓ Each	\$0.17	\$170.00 ✓	
308						Line Total:	\$170.00
13	MS20601-AD4W3	Rivet	5/11/2015 Yes 5/11/2015	400.00 ✓ Each	\$0.22	\$88.00 ✓	
308						Line Total:	\$88.00
8015-05-12						Line Total:	\$88.00

Note:

5/8/2015



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VU-KLX01

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

14	MS20601-AD4W8	RIVET	5/11/2015 Yes 5/11/2015	200.00 Each	✓	\$0.25	\$50.00 ✓
Line Total:							\$50.00
15	MS21042L5	Nut	5/11/2015 FN Yes 5/11/2015	200.00 Each	✓	\$0.45	\$90.00 ✓
Line Total:							\$90.00
16	CR3523-4-02	RIVET	5/11/2015 Yes 5/11/2015	400.00 Each	✓	\$0.95	\$380.00 ✓
Line Total:							\$380.00
17	MS51957-45B	Screw	5/11/2015 FN Yes 5/11/2015	50.00 Each	✓	\$0.40	\$20.00 ✓

Note:

5/8/2015

SP15-05-12



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CANADA

Contact Name

Vendor Phone

305-925-2600

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Total: \$20.00

18 MS51957-48B

Screw

5/11/2015 FN

50.00 ✓

\$0.70

\$35.00 ✓

Yes

Each

5/11/2015

Line Total: \$35.00

19 MS51957-49B

Screw

5/11/2015 FN

50.00 ✓

\$1.00

\$50.00 ✓

Yes

Each

5/11/2015

SP 15-05-12

Line Total: \$50.00

Note:

5/8/2015



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

HZNZMA

PAGE 1 OF 6

SOLD TO:

002409
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS	SHIPPING TERMS		
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45	FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK-ORDER	SHIPPED	AMOUNT
1	200	MS20601AD4W2 RIVET, BLIND ECCN :9A991 TARIFF: 7616.10.3000	0.170	EA	200	0	0.00
2	300	MS24693-24B SCREW ECCN :9A991 Country Origin: USA TARIFF: 7318.15.6080 MFR: NORTH EAST FASTENERS CORP CTRL# : 2014F00696 LOT# : 52960 LOT QTY: 300 COUNTRY OF ORIGIN: USA Country of Origin: USA	0.150	EA	0	300	45.00
3	300	MS21075L5 LOCKNUT, PLATE - TWO LUG ECCN :9A991 Country Origin: USA TARIFF: 7318.16.0085 MFR: ALCOA KAYNAR FULLERTON CTRL# : 2010J06026 LOT# : 5346033-000 LOT QTY: 300 COUNTRY OF ORIGIN: USA Country of Origin: USA	1.600	EA	0	300	480.00
4	20	AN924-6J NUT, FITTING ECCN :9A991 Country Origin: USA TARIFF: 7318.16.0085	2.000	EA	0	20	40.00
CONTINUED							
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.							

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

SP15-05-12

ORIGINAL INVOICE

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXaerospace.com/conditions-sale/>



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HZNZMA

PAGE 2 OF 6

SOLD TO:

002409
DART AEROSPACE LTD
1270 ABERDEEN ST
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CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS		
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
5	10	MFR: INLAND MACHINE CTRL# : 2015D22337 LOT# : 8361 LOT QTY: 20 COUNTRY OF ORIGIN: USA Country of Origin: USA NAS43DD3-128FC SPACER, SLEEVE-SCREW ECCN :9A991 TARIFF: 7616.10.9090		1.500	EA	10	0	
6	1000	NAS1149D0663J WASHER, FLAT ECCN :9A991 Country Origin: USA TARIFF: 7616.10.9090 MFR: ANILLO INDUSTRIES CTRL# : 2014H03618 LOT# : X9492 LOT QTY: 1000 COUNTRY OF ORIGIN: USA Country of Origin: USA		0.050	EA	0	1000 ✓	50.00 ✓
8	500	MS27039C1-08 SCREW ECCN :9A991 Country Origin: USA TARIFF: 7318.15.6080 MFR: MAC FASTENERS CTRL# : 2015D30688 LOT# : 72807 LOT QTY: 500 COUNTRY OF ORIGIN: USA		0.320	EA	0	500 ✓	160.00 ✓
CONTINUED								
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PAGE 3 OF 6

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002409
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS		
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
9	150	Country of Origin: USA MS21060-3K LOCKNUT, PLATE - TWO LUG ECCN :9A991 Country Origin: MEXICO TARIFF: 7318.16.0060 MFR: ALCOA KAYNAR FULLERTON CTRL# : 2011A06325 LOT# : 5340465-000 LOT QTY: 150 COUNTRY OF ORIGIN: MX Country of Origin: MEXICO		1.370	EA	0	150 ✓	205.50 ✓
10	100	MS21060L3K LOCKNUT, PLATE - TWO LUG ECCN :9A991 Country Origin: MEXICO TARIFF: 7318.16.0085 MFR: ALCOA KAYNAR FULLERTON CTRL# : 2008C04655 LOT# : 5277262-000 LOT QTY: 100 COUNTRY OF ORIGIN: MX Country of Origin: MEXICO		1.050	EA	0	100 ✓	105.00 ✓
11	500	MS20427M3-3 RIVET ECCN :9A991 Country Origin: USA TARIFF: 7508.90.5000 MFR: ALLFAST FASTENING CTRL# : 2015A12899 LOT# : S141208005K		0.040	EA	0	500 ✓	20.00 ✓
CONTINUED								
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CANADA K6A 1K7

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HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS		
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
12	1000	LOT QTY: 500 COUNTRY OF ORIGIN: USA Country of Origin: USA MS20600AD4W4 RIVET, BLIND ECCN :9A991 Country Origin: USA TARIFF: 7616.10.3000 MFR: CHERRY AEROSPACE SANTA AN CTRL# : 2015B21073 LOT# : 88034150 LOT QTY: 1000 COUNTRY OF ORIGIN: USA Country of Origin: USA		0.170	EA	0	1000	170.00
13	400	MS20601AD4W3 RIVET, BLIND ECCN :9A991 Country Origin: USA TARIFF: 7616.10.3000 MFR: CHERRY AEROSPACE SANTA AN CTRL# : 2014I25084 LOT# : 87836273 LOT QTY: 400 COUNTRY OF ORIGIN: USA Country of Origin: USA		0.220	EA	0	400	88.00
15	200	MS21042L5 LOCKNUT ECCN :9A991 Country Origin: MEXICO TARIFF: 7318.16.0085 MFR: ALCOA FASTENING/REPUBLIC		0.450	EA	0	200	90.00
CONTINUED								
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SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

SPS-0512

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ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

HZNZMA

PAGE 5 OF 6

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002409
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HAWKESBURY, ON
CANADA K6A 1K7

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1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS	
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI	
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
16	400	CTRL# : 2014I12280 LOT# : 51693 LOT QTY: 200 COUNTRY OF ORIGIN: MX Country of Origin: MEXICO CR3523-4-02 CR MAX RIVET ECCN :EAR99 Country Origin: USA TARIFF: 7318.23.0000 MFR: CHERRY AEROSPACE SANTA AN	0.950	EA	0	400 ✓	380.00 ✓
18	50	MS51957-48B SCREW ECCN :9A991 Country Origin: USA TARIFF: 7318.15.6080 MFR: NORTH EAST FASTENERS CORP	0.700	EA	0	50 ✓	35.00 ✓
19	50	CTRL# : 2012G27852 LOT# : 87680508 LOT QTY: 400 COUNTRY OF ORIGIN: USA Country of Origin: USA MS51957-49B SCREW ECCN :9A991 Country Origin: USA	1.000	EA	0	50 ✓	50.00 ✓
CONTINUED							
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SP 15-05-12

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HZNZMA

PAGE 6 OF 6

SOLD TO: 002409

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

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SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

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HZP1HL

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002409

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1270 ABERDEEN ST
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CANADA K6A 1K7

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1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS		
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
1	200	MS20601AD4W2 RIVET, BLIND ECCN :9A991 TARIFF: 7616.10.3000		0.170	EA	200	0	0.00 ✓
5	10	NAS43DD3-128FC SPACER, SLEEVE-SCREW ECCN :9A991 Country Origin: USA TARIFF: 7616.10.9090 MFR: MINI MAC CTRL# : 2013G06717 LOT# : 0081288 LOT QTY: 10 COUNTRY OF ORIGIN: USA Country of Origin: USA <i>These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.</i>		1.500	EA	0	10 ✓	15.00 ✓
<div>80150512</div> <div>***CONTINUED***</div>								
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ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

HZP1HL

PAGE 2 OF 2

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DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS		
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
	# 1=CTN	2# 0 OZ. 638393478460						
	FREIGHT ACCT# 15179324-0							
	TEL# 613-632-3336							
	DIMENSIONS: 9X12X1							

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



ORIGINAL INVOICE

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXaerospace.com/conditions-sale/>



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

HZNZM9

PAGE 1 OF 2

SOLD TO:

002409
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO. PO28407		DATE 05/08/15	SHIP VIA FEDX INTL P1 COLL	TERMS NET 45		SHIPPING TERMS FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
7	1000	NAS1149D0563J WASHER, FLAT ECCN :9A991 Country Origin: USA TARIFF: 7616.10.9090 MFR: ANILLO INDUSTRIES CTRL# : 2011G11960 LOT# : V7583 LOT QTY: 1000 COUNTRY OF ORIGIN: USA Country of Origin: USA		0.040	EA	0	1000	40.00
14	200	MS20601AD4W8 RIVET, BLIND ECCN :9A991 Country Origin: USA TARIFF: 7616.10.3000 MFR: CHERRY AEROSPACE SANTA AN CTRL# : 2007G05159 LOT# : 86737839 LOT QTY: 200 COUNTRY OF ORIGIN: USA Country of Origin: USA These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.		0.250	EA	0	200	50.00
CONTINUED								
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.								

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

ORIGINAL INVOICE

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<http://www.KLXaerospace.com/conditions-sale/>



HZNZM9

PAGE 2 OF 2

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172



BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXaerospace.com/conditions-sale/>



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXaerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

HZNYOL

PAGE 1

SOLD TO:

002409
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS	
PO28407		05/08/15	FEDX INTL P1 COLL	NET 45		FOB-STRATFORD	
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
17	50	MS51957-45B TARIFF: 7318.15.6080 Description SCREW ECCN :9A991 MFR: CRESCENT MFG. CTRL#: 2006B02041 LOT#: 38231 LOT QTY: 50 Country of Origin USA <i>These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.</i>	0.400	EA	0	50 ✓	20.00 ✓
CONTINUED							
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.							

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 650 LONGBEACH BLVD, STRATFORD, CT 06615

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.



PACKING SLIP

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS PACKING SLIP, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXaerospace.com/conditions-sale/>



**Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXAerospace.com
Remit to Address: 88289 Expeditie Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002**

INVOICE NUMBER

HZNYOL

PAGE 2



SOLD TO:
002409



DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO. PO28407		DATE 05/08/15	SHIP VIA FEDX INTL P1 COLL		TERMS NET 45		SHIPPING TERMS FOB-STRATFORD		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION			PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
		*** SHIPPED 1 CTN *** # 1=CTN 1# 0 QZ. 635431226176 FREIGHT ACCT# 15179324-0 TEL# 613-632-3336 DIMENSIONS: 6X6X4							
INVOICE#.....		HZNY0L							
ORDER#.....		9NJZX7							
							SUBTOTAL : 20.00 HANDLING : 0.00 DISC/ALL : 0.00 INCM FRT : 0.00 FREIGHT : 0.00 TOTAL : 20.00USD		
jru	9NJZX7	SHIPPED ON 05/08/15							U.S. CURRENCY
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.									

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 650 LONGBEACH BLVD, STRATFORD, CT 06615

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND SPECIFICATIONS. THE RESPECTIVE MANUFACTURERS, KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS BILL OF MATERIALS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE A REJECTION OF ALL BILLS OF MATERIALS. KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.



PACKING SLIP

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS PACKING SLIP, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXAerospace.com/conditions-sale/>

EMIS COVERED BY THIS PACKING SLIP, BUYER
<http://www.KLXaerospace.com/conditions-sale/>





P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
12	1000	EA	MS20600AD4W4		88034150	CHERRY AEROSPACE SAN	11815		


Jason Lewis
Senior Director, Global Quality

05/08/15



CHERRY®
AEROSPACE
SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: S0382389
Order Date: 03/12/14
Print Date: 02/10/15

Page: 1



Sold-To: 10015341

Ship-To: 10043053

S O L D T O	KLX INC
	10000 NW 15TH TERRACE
	MIAMI, FL 33172
	USA

S H I P T O	KLX AEROSPACE SOLUTIONS
	KLX INC.
	9835 NW 14TH ST
	MIAMI, FL 33172
	USA

Salesperson (s):110

Purchase Order: 0WWT96

Credit Terms: NET 30
Net 30

Ship Via: FED EX NATIONAL CL
FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0
IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE
DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS
DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

ECCN: EAR99

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009 ALT I
*PREFERENCE FOR DOMESTIC SPECIALTY METALS

RELEASE# VIO3OWWT96

Unless otherwise specified on this order, Cherry will manufacture and
certify parts to the part number's latest revision. Latest revisions are
shown at <https://bizpartner.cherryaerospace.com/partrevisions.htm> under
"Part Number Revision List".

INCORRECT AND UNAVAILABLE PART NUMBERS WILL BE LINED OUT ON PO
CHERRY AEROSPACE DOES NOT ACCEPT CLAUSE V IN REGARDS TO ISO17025- CHERRY
IS COMPLIANT TO NADCAP REQUIREMENTS ONLY

Ln	Item Number	Site T LocationLot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
2	CR9163-4-04	1600		EA	03/06/15



TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

Packing List



CHERRY®
AEROSPACE

SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: S0382389
Order Date: 03/12/14
Print Date: 02/10/15

Page: 2

Sold-To: 10015341



Ship-To: 10043053

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KLX INC
10000 NW 15TH TERRACE
MIAMI, FL 33172
USA

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KLX AEROSPACE SOLUTIONS
KLX INC.
9835 NW 14TH ST
MIAMI, FL 33172
USA

Ln	Item Number	Site T Location Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
2	CR9163-4-04 Customer Item: MS20600AD4W4 	B0603 88034150	18900.0	()	

TEST REPORTS ENCLOSED
DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

Packing List



CHERRY[®] AEROSPACE

SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: SO382389
Order Date: 03/12/14
Print Date: 02/10/15

Page: 1



Sold-To: 10015341

Ship-To: 10043053

S O L D T O	KLX INC
	10000 NW 15TH TERRACE
	MIAMI, FL 33172
	USA

S H I P T O	KLX AEROSPACE SOLUTIONS
	KLX INC.
	9835 NW 14TH ST
	MIAMI, FL 33172
	USA

Salesperson (s):110

Purchase Order: 0WWT96

Credit Terms: NET 30
Net 30

Ship Via: FED EX NATIONAL CL
FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0
IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE
DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS
DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

ECCN: EAR99

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009 ALT I
*PREFERENCE FOR DOMESTIC SPECIALTY METALS

RELEASE# VIO3OWWT96

Unless otherwise specified on this order, Cherry will manufacture and
certify parts to the part number's latest revision. Latest revisions are
shown at <https://bizpartner.cherryaerospace.com/partrevisions.htm> under
"Part Number Revision List".

INCORRECT AND UNAVAILABLE PART NUMBERS WILL BE LINED OUT ON PO
CHERRY AEROSPACE DOES NOT ACCEPT CLAUSE V IN REGARDS TO ISO17025- CHERRY
IS COMPLIANT TO NADCAP REQUIREMENTS ONLY

Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
----	-------------	--------------------	------------	-------------------------	----	---------------------

2 CR9163-4-04

1600

EA 03/06/15



TEST REPORTS ENCLOSED DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

Signed

SIM NGUYEN

Signed 
SIM NGUYEN

**CHERRY AEROSPACE**

SPS Fastener Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157

Accredited

Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab**Final Inspection & Test Report**
Cherry® Rivet**An ISO9001 and AS9100 registered company. OASIS #6111041606**

Part Numbers	Rev	Proc. Spec.	Rev	Lot I.D. No.: 88034150 Lot Size: 19,000 MFG. Date: February 09, 2015
CR9163-4-04	K	MIL-R-7885	D2	
** See 2nd Page for the Customer Parts				

ASSEMBLY DATA

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	88034150	A75148	2117 ALUM ALLOY	MIL-C-5541	Par-90
Stem	87927994	A74944	2017 ALUM ALLOY	MIL-C-5541	Par-90

W.O. #: 5566707

Final Lube: None

QUALITY CONFORMANCE/ACCEPTANCE RESULTS

MIN REQ'D	INSTALLED SHEAR		SPINDLE RETENSION	
	370		15	
SAMPLE SIZE	9		9	
SPECS			UnLocked	
RESULTS	504	505	55	58
	499		38	
	502		33	
	497		59	
	492		37	
	499		45	
	499		29	
LOAD VALUES IN POUNDS	490		61	

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
20	EXAMINATION	PASS	13	INSTALLATION (Min and Max Grips)	PASS

Comments:

Blind Fastener

Tr. Rev.: -
Rev. Date: 2/9/2015Inspector
V Iriarte

Insp. Control #:

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

BENEKE

Product Certification And Testing Report

Customer:

CHERRY AEROSPACE LLC
ATTN: ACCTS. PAYABLE
1224 EAST WARNER AVENUE
P.O. BOX 2157

SANTA ANA

CA 92707-0157

Date >> 7/7/2014

Customer PO No.	BWC Lot No.	Date Shipped:
PO167334	26389	7/7/2014
Cust Item ID : M262.1230		

BWC Item No.
2H1230813041A01

Description:

.123" DIA. + - .0005" 4F 2117 - H13
#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"
BLOCKWOUND 100# COILS.

Specifications:

CUST SPEC M-262 REV. F
FED SPEC QQ-A-430 REV. C

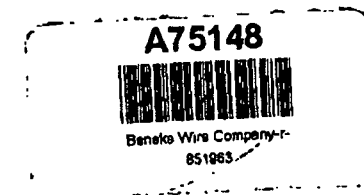
Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total	Aluminum Remainder	Case No.	lbs	Diameter (in)	Tensile (psi)	Yield (psi)	Peak Load (lbs)	EL %	Grain Size
2117	.8	.7	2.2 - 3.0	.20	.20 - .50	.10	.25		.05	.15									
851963	.39	.40	2.8	.14	.40	.06	.11												
													42647-1	230	0.1230	29,740.0	353.4		

Total Weight: .230



JUL 16 2014



Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED IN THIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

Authorized
Signature

Shannon King

Shannon King, Plant Metallurgist

5540 National Turnpike

Louisville, KY 40214

Phone: (502) 367-6434

KAISER ALUMINUM FABRICATED PRODUCTS

Kaiser Aluminum Fabricated Products, LLC
600 Kaiser Drive
Heath, OH 43056-1088
740-522-1151

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Miscellaneous Notes

Made in USA

Chemical exceptions Fe 0.30-0.7 Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Steven J. Tua, Technical Manager



JUL 16 2014



A75148

Plant Serial: 33279

Kaiser Order Number: 172555318

Line Item: 1



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
19	50	EA	MS51957-49B		85366	CRESCENT MFG.	63020		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

Nº 85366

CERTIFICATE OF COMPLIANCE TEST REPORT

FORM REV A 11/09

MADE IN THE U.S.A.

CUSTOMER NAME B/E AEROSPACE CONSUMABLES

PART NO. MS51957-49B* REV D/A1

PURCHASE ORDER NO. 0YSF16

INTERNAL ROUTING NO. 37295

QUANTITY FIVE THOUSAND

MATERIAL/SPECIFICATION .152 302SS TRI STAR E131615

DATE 8/21/2014

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS.

PHYSICAL PROPERTIES

TENSILE STRENGTH HARDNESS SCALE

- | | |
|----------------|----|
| 1) 1558.0 LB T | 1) |
| 2) 1556.0 LB T | 2) |
| 3) 1551.0 LB T | 3) |
| 4) 1561.0 LB T | 4) |
| 5) 1557.0 LB T | 5) |
| 6) | 6) |
| 7) | 7) |
| 8) | 8) |

OTHER TESTING:

CONFORMS TO THE PROCUREMENT SPECIFICATIONS OF:

FF-S-92B

DFARS 252.225-7009

OTHER MECHANICAL TEST DATA

- ☒ MEET MAGNETIC PERMEABILITY REQUIREMENTS OF FF-S-92B, MIL-I-17214B, AND ASTM A342/A 342M TEST METHOD 3.

PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION.
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY

FINISH

BLACK OXIDE PER MIL-DTL-13924D CLASS 4

INSPECTED TO ZERO ACCEPTANCE SAMPLE / INDEX VALUE 2.5

ADDITIONALLY, AN ANSI/ASQC Z 1.4 SAMPLE OF THE FINISHED FASTENERS WERE TESTED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA ARE IN OUR RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE AND WILL BE HELD AS REQUIRED.

Signature

TRACEY NIKSA, QC TECH

Cage Code #63020

CRESCENT MANUFACTURING OPERATING, CO.



700 George Washington Turnpike, Burlington, CT 06013, U.S.A.
Telephone: (860) 673-2591 Fax: (860) 673-5973

Stavenson Road
Sheffield, S9 3XG
Telephone: +44 (0) 114 242 1124
Fax: +44 (0) 114 242 2152



Test certificate No **79342**
No du certificat

In Accordance With EN 10204.3.1

Rechnungs-Nr Invoice/Cons No No de facture		Bestell-Nr Customer Order No No de commande client		NORM 302HQ Stainless Revision 0, 5/31/2011		SPECIFICATION NORME					
ADDRESS Tri Star Metals LLC 611 W.Lamm Rd Freeport, Illinois 61032 USA 61032				Works No Vorderl. No No de commande client AV201658/01 Underdrawing in Schriftform SOFTENED AND DESCALED Product Form 5.50 mm Round Quantity Menge 3 rod coils for 1.947t Serial No No de Coil E131615							
Schmelzanalyse				Cast Analysis				Analyse de Coulée			
%C	%Si	%Mn	%P	%S	%Cr	%Ni	%N	%Ti	%Nb	%Al	%B
0.0140	0.2870	0.6200	0.0270	0.0010	17.7300	0.2800	9.5600	0.0030	0.0170	0.0060	0.0003
%Cu	%Ca	%Na	%N	%V	%W	%As	%Co	%Ta	%Pb		
0.1540	3.5740	0.0080	0.0220	0.0900	0.0400	0.0070	0.0012	0.0020	0.0004		
Mech und phys Eigenschaften				Mechanical and Physical Properties				Caractéristiques mécanique			
0.2%PS kPSI	1.0%PS kPSI	UTS kPSI	Dehnung % Elongation % Allongement %	RA%	Korngröße Grain Size Taille de grain	Werkstoff Material Dureté	Hb	Charpy (J)	Ferrite Content %	Schaeffer Ferrite %	
28.832	34.374	69.473	38.0	75.1	5.0 5.0	125.00					
De Long Ferrite %	WRC 1992 Ferrite %	H900 0.2%PS	H900 UTS	H900 A4D	H900 RA	H900 Hardness	Cleaness	Intercrystalline Corrosion Test			
Bend	Ovality	Microstructure	OK	Macrostructure							
Additional Information Chemistry, melt practice, material integrity and capability of meeting spec chemistries: - ASME/ASTM A493 Grade XM-7, QQ-S 763 Chemistry to UNS S30430 (18-8LV) & S30433 (302HQ) Material melted and rolled in Sheffield, England by Outokumpu Stainless Ltd. Melting Practice: EAF & AOD						EHSQ Manager Rob Charlesworth Datum Date 10/12/2013 This order was manufactured according to a Quality System registered to ISO 9001:2008 and approved by TUV Nord. Certificate Registration No. 44 100 116408					

CRESCENT MFG
T.R. NO. 853466

Quality controlled by independent 3rd party analysis
Chemistry, melt practice, material integrity and capability
of meeting spec chemistries: -
ASME/ASTM A493 Grade XM-7, QQ-S 763
Chemistry to UNS S30430 (18-8LV) & S30433 (302HQ)
Material melted and rolled in Sheffield, England by Outokumpu Stainless Ltd.
Melting Practice: EAF & AOD

Chemistry, melt practice, material integrity and capability
of meeting spec chemistries: -
ASME/ASTM A493 Grade XM-7, QQ-S 763
Chemistry to UNS S30430 (18-8LV) & S30433 (302HQ)
Material melted and rolled in Sheffield, England by Outokumpu Stainless Ltd.
Melting Practice: EAF & AOD

Chemistry, melt practice, material integrity and capability
of meeting spec chemistries: -
ASME/ASTM A493 Grade XM-7, QQ-S 763
Chemistry to UNS S30430 (18-8LV) & S30433 (302HQ)
Material melted and rolled in Sheffield, England by Outokumpu Stainless Ltd.
Melting Practice: EAF & AOD

Telephone (413)533-6927

Fax (413)534-5652

BAY STATE PLATING, INC.

Specialists in Black Oxide on Steel, Stainless Steel and Brass

•18 NORTH BRIDGE STREET • P.O. BOX 187 • HOLYOKE, MA. 01040

CERTIFICATE OF COMPLIANCE

CRESCENT MANUFACTURING CO.
(CUSTOMER)

37295
(ORDER NUMBER)

700 GEO. WASHINGTON TPK.
(STREET ADDRESS)

MS51957-49B
(PART NUMBER)

BURLINGTON, CT. 06013
(CITY AND STATE)

153153
(SHIPMENT NUMBER)

7,000 pcs.
(QUANTITY SHIPPED)

Aug. 15, 2014
(DATE OF CERTIFICATION)

(CERTIFICATE OF COMPLIANCE)

It is hereby certified that all articles included in the above shipment and the quantities as called for in the above shipments of the contractors purchase order are in conformance with the requirements, specifications, and drawings applicable to that order. Black Oxide Finished Per Mil-DTL-13924D Cl. 4. & Smut Test Per 4.4.1 & Salt Spray Test Per ASTM B-117.

(WITNESS)

BAY STATE PLATING, INC.


(SIGNATURE OF OFFICIAL)

TIMOTHY D. ROBERTS
PRESIDENT

CRESCENT MFG
T.R. NO. 85366



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
18	50	EA	MS51957-48B		54945	NORTH EAST FASTENERS	07ZNS		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

North East Fasteners Cor
 8 Tremco Dr. - P.O. Box 322
 Terryville, CT 06786
 Phone: (860)-589-3242
 Fax: (860) 589-6969
 Web: http://www.nef1.com
 E-Mail: nef@nef1.com



Invoice	
Date	Invoice No.
03/24/2015	58666

Packing Slip

Sold To: KLX Aerospace Solutions
 10000 NW 15th Terr
 Miami, Florida 33172

Ship To: KLX Aerospace Solutions
 9835 NW 14th St
 Miami, Florida 33172

Customer: **PO#:** 0ZYF257 **Shipments :**

Ship Via: FED EX

Boxes	Weight
2	58 Lbs

Description	Complete	Lot#	Qty.	Price	Ext. Price
8-32 x 7/8" Phillips Pan MS (2A) 302HQ Stainless DFARS Compliant Black Oxide Mil-DTL-13924D CL 4 - MS51957-48B - D/I	Yes	54945	10.3 M		
Subtotal :					
Shipping :					
Total :					

Made in USA

NEF requires receipt of a Customer Debit Memo prior to issuing any credits. Please reference your P/O #, Invoice # and our RMA # on the Debit Memo.

Government Cage Code: 07ZN5
QSLM Level 2/3

ISO 9001:2008 & AS9100



QSLM Level 2/3
Cage code: 07ZN5



NORTH EAST FASTENERS
CORPORATION

Telephone:
(860) 589-3242

Fax:
(860) 589-6969

Web-Site: www.NEF1.com
E-mail: nef@NEF1.com

CERTIFICATE OF CONFORMANCE

This certifies that these fasteners are in conformance to the specifications required for this order and that these fasteners sold by North East Fasteners Corporation were manufactured at 8 Tremco Dr., Terryville, CT 06786 U.S.A.

Customer Order Information			
Name : KLX Aerospace Solutions			
Ship Date: 03/24/2015		NEF Part #: 8320.8750PPMSDSSBOM	
P.O. #: 0ZYF257		Heat #: N1W1	
Qty Shipped: 10.300 m		Lot #: 54945	
Descr: 8-32 x 7/8" Phillips Pan MS (2A) 302HQ Stainless DFARS Compliant Black Oxide Mil-DTL-13924D CL 4			
DFARS PER: 252.225-7014 ALT 1			
Specifications			
IFI		ISO	
Customer Print		DIN	
Metric IFI		JIS	
Other Specifications			
DFARS CERT 252.225-7009			
Print #: MS51957-48B REV D/1			
Part #: MS51957-48B REV D/1			
Desc :			
Dual :			
Passed Magnetic Permeability, This certifies that these fasteners are in conformance with the EU RoHs & WEE Directives.			


Mark Sovia



* This product has been mfg. in an environment free from contamination by Mercury or any of its compounds.

AS9100/ISO 9001-2008

QSLM Level 2/3

CAGE Code: 07ZN5

website: www.nef1.com



QSLM Level 2/3
Cage code: 07ZN5



NORTH EAST FASTENERS
C O R P O R A T I O N

Telephone:
(860)-589-3242
Fax:
(860)-589-6969
Website: www.nefl.com
e-mail: nef@nefl.com

PO Number: 0ZYF257

Lot Number: 54945

Heat Number: N1W1

Specs: MS51957

Date: 03/09/2015

Lot Size: 11.00

Description: 8-32 x 7/8" Phillips Pan MS (2A) 302HQ Stainless DFARS Compliant Black Oxide Mil-DTL-13924D CL 4

Axial Tensile Results

Requirements : 1120 Lbs Min

Sample	Ultimate Tensile Strength (Lbs)
1	1434
2	1447
3	1440
4	1447
5	1437
6	1453
7	1430
8	1434

Joe Longo

Quality Control Manager



All tests listed on this certification have been performed in accordance with the required specifications named above. Calibrations are in accordance with ISO10012-1. The analysis reported on this certification is in accordance with North East Fasteners Quality Manual guidelines and methods.

UniMetal Surface Finishing, LLC.
 15 East Waterbury Road
 Naugatuck, CT 06770
 Phone:(203) 729-8244 Fax:(203) 729-8487
 www.unimetal.com

ISO 9001:2008 Registered



	1209837
	02/27/15
	1

NORTH EAST FASTENERS
 8 TREMCO DRIVE
 TERRYVILLE, CT 06786

NORTH EAST FASTENERS
 8 TREMCO DRIVE
 TERRYVILLE, CT 06786
 Phone: (860) 589-3242
 Fax: (860) 589-6969

Certificate of Compliance

We hereby certify that all articles furnished in the quantities stated, as called for, have been inspected and tested and are in conformance with all applicable drawings, specifications and requirements of the said purchase order.

Qty/Received	Part No / Description	Qty Shipped
11000 58 Lbs	8-32X7/8"PHILLIPS PAN MS (2A) 302 STAINLESS STEEL SCREW Specs: BLACK OXIDE & OIL / MIL-DTL-13924D, CLASS 4 Mil-Specs: MIL-DTL-13924D / BLACK OXIDE P.O.#: 23110 Job #: 259245 Lot #: 54945 Containers: 2 PANS The above order has been processed to: Black oxide finish per MIL-DTL-13924D, Class 4 Please note: This is a RoHS compliant coating and is in compliance with Directive 2011/65/EU of the European Parliament and the Council of 8 January 2011 on the restriction of the use of certain hazardous substances in electrical and electronics equipment (RoHS Directive) in accordance with the definitions set forth in the directives. We certify that the information supplied is a true copy of our record and will be retained in our files for a period of not less than eleven years.	11000 58 Lbs

Per: Earle Root / Quality Manager - South


**Tri Star
Metals, LLC**
MATERIAL CERTIFICATION

An ISO 9001:2008 Registered Company

611 W. Lamm Rd. Freeport, Illinois 61032

QSD-007 Rev 6 (04/16/2014)

CERTIFICATE DATE:	1/28/15	CUSTOMER:	NORTH EAST FASTENERS
ORDER#:	215977	CUSTOMER PO#:	5122014MVL
MATERIAL:	302HQ	DESCRIPTION:	.140"
HEAT NUMBER:	N1W1	QTY. SHIPPED:	2,384 LBS
CONDITION:	AIP-TRI-COAT SOAP		

CHEMICAL COMPOSITION (WEIGHT PERCENT)

C	Mn	Si	S	P	Ni	Cr	Mo	Other Elements
.019	1.59	.32	.001	.033	9.63	17.67	.29	-
Cu	Co	N	Fe	Al	Nb(Cb)	Ta	Ti	-
3.21	.15	.026	-	-	-	-	-	-

MECHANICAL VALUES

ULTIMATE TENSILE STRENGTH (KSI)	0.2% OFFSET YIELD STRENGTH (KSI)	ELONGATION (%) (IN 2")	RED. OF AREA (%)	HARDNESS
85	75	39	84	172HB

ADDITIONAL REMARKS:

This material meets the chemistry specifications for:

ASTM A555/05, ASTM A493/95 (CHEM ONLY). DFARS COMPLIANT.

MELT ORIGIN: USA

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

QUALITY REPRESENTATIVE:

Katherine Cholka
 Katherine Cholka - Certification Specialist

- When shipped, Material is free from MERCURY, other LOW TEMPERATURE MELTING ELEMENTS and RADIOACTIVE (Radium, Alpha and Gamma source) Contamination.
- We certify that the above information is correct as contained in the records of the company. All T.S.M. certifications apply only to the Raw Material aspects of any: Purchase Order, Drawing, Specification, and Standard. Any reference to Finished Product is not applicable to T.S.M., whether listed or implied herein.
- Material complies with Section 1502 of Dodd Frank Conflict Minerals, Final Rule, August 22, 2012, II.A.B., II.B.A.C.I.-v
- Certificate of test is prepared in accordance with paragraph 5.1 of EN 10204 (DIN 50049). We certify that the test data included herein are in accordance with the purchase order and specification requirements as documented in this certificate of tests. Test methods are per the ASTM standards on file and in effect at the time of order acceptance, standard practices, or as agreed upon between Tri Star Metals and Customer.
- The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law Title 18, Chapter 47. This document may not be reproduced, except in full, without the written consent of Tri Star Metals, LLC.

TRI STAR METALS, LLC

1201 S. ADAMS
FREEPORT, IL 61032
Phone: 888-850-2210 Fax:
Website: www.tristarmetals.com

January 27, 2015

5:26:11PM

Page 1 of 1

Shipper No. 215977

Bill To
NORTH EAST FASTENERS
8 TREMCO DR.
TERRYVILLE, CT 06786

Ship To NORTH EAST FASTENERS
8 TREMCO DR.
TERRYVILLE, CT 06786

Attn: 860-589-3242

Terms: 1/2% 10 NET 30

Customer P.O. Number: 5122014MVL

F.O.B.: DELIVERED

Ship Via: BEST

Sales 1: CHRIS S 18

Sales 2:

Sales Order No: 215977 Due Date: 10/10/20

Ship Qty	UM	Description	Width	Length	Weight
2,384.00	P	.140" RD 302HQ SS TRI-COAT X CL (AIP)			2,384.00

2,384.00

Totals

2,384.00

Shipping Instructions:

Messages:

Receiving Hours:

Max Bundle Weight: 0

Spacers:

Carrier _____

Date _____

Pieces _____

Driver Sig _____

Consignee Sig _____



Pag

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
4	20	EA	AN924-6J		8361	INLAND MACHINE	6W617		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

INLAND
MACHINE COMPANY

10762 EDISON COURT
RANCHO CUCAMONGA, CA 91730

(909) 484-5579

FAX (909) 484-4825

Invoice

To: KLX AEROSPACE P.O. BOX 025263 MIAMI, FL 33102	Ship To: KLX AEROSPACE 9835 NW 14TH ST. MIAMI, FL 33172
-------------------------------------------------------------------	-------------------------------------------------------------------------

Invoice Date: 4/16/2015	Terms: 2 % 10 NET 30	Weight:	Ship Via: FED EX GRND
Order Date: 5/28/2014	Cust. PO#: 0YKH34	# of Boxes:	Ship Via Acc: 0331-0149-0
Ship Date: 4/16/2015	FOB:	Shipment #: 1	Invoice #: 45796
Sales Order: 0YKH34	Buyer:		
Customer #: KLX			

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
------	-------------------------	---------	---------	----	------------	-----------

2	AN924-6J NUT REV.11	5380	5104	NE		
	FULL CERTS					
	JOB # 8361					
	PARTS ARE DFAR COMPLIANT					
	MADE IN USA					

PACKING LIST

ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST
AT THE RATE OF 1 1/2 % PER MONTH.

THIS IS TO CERTIFY THAT ALL ARTICLES DELIVERED UNDER THIS
SHIPPER, CONFORMS TO ALL APPLICABLE BLUE PRINT SPECIFICATION.
AND EVIDENCE OF SUCH IS ON FILE SUBJECT TO EXAMINATION

It is agreed by buyer that upon delivery of parts, said will be inspected and that if any parts are defective buyer agrees to notify seller within ten (10) days
limitation. Buyer agrees that it waives all rights to any damages and credits against any amount received.

INLAND MACHINE COMPANY

MANUFACTURING AN-MS-NAS HYDRAULIC FITTINGS

MANUFACTURER'S AFFIDAVIT

I, RONALD DORFF hereby certify that the below named parts
(Name)

were manufactured by INLAND MACHINE COMPANY located at
(Company Name)


10762 EDISON COURT
(Street Address)

RANCHO CUCAMONGA CA
(City) (State)

91730
Zip Code

Part No.	Part Description
AN924-6J	NUT REV 11
JOB # 8361	

I further certify that should any change in the manufacturing process occur which changes the country of origin; I will immediately notify KLX Aerospace Solutions. In writing and provide a new Manufacturer's Affidavit.


(Signature)

QUALITY CONTROL MANAGER
(Title)

4/16/15
(Date)

THIS DOCUMENT IS INTENDED ONLY FOR THE USE OF THE PERSON(S) TO WHOM IT IS ADDRESSED, IT MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If you are not the intended recipient, any dissemination, distribution, copying or other use of this document is strictly prohibited. If you have received this communication in error, please notify us by telephone 305.925.2600 to arrange for the destruction or return to us of original document.

10762 EDISON COURT - RANCHO CUCAMONGA, CA 91730 - 909-484-5579 - FAX 909-484-4825
EMAIL: ggarcia@inlandaerospace.com

INLAND JOB# 8361

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRÜFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.1.
Sila: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Customer / Purchaser / Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller / Manufacturer

Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand / Delivery state / Etat de livraison

Intergranular corrosion test per ASTM A262 pract. E: ok
Absence of cracks at 20x magnification after bend test.
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste.
Die gesamten Anforderungen sind erfüllt.
The material has been furnished in accordance with the requirements.
Le matières ont été livrées conformes aux exigences.

Controllo antimescolanze: OK.
Verkeidungsgutheit: spezialtechnisch befriedigend.
Anticrossing being performed: OK.
Controlle antimesclages: OK.

Certificato nr: MEST498153/2014/
Prüfung / Prüfzeugnis

Conferma ordine nr: E114003704
Werkstatt / Order Ref.

Marchio di Fabbrica:
Zeichen des Werkschreibers
Trade mark
Sigle de l'usine: producteur

Punzone del Collaudatore:
Stempel des Werkschreibers
Inspector's stamp / Poinçon de l'inspecteur



Controllo visivo e dimensionale: soddisfa le esigenze.
Befriedigung und Überprüfung: ohne Beanstandung.
Visual inspection and dimensional checks: satisfactory.
Contrôle visuel et dimensionnel: satisfaisant.

Melted and manufactured in Italy. No welding or weld repair. Material free from Mercury contamination.
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1 a. 4.3 by TÜV and LLOYD'S.

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 04/04/14 V00008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werksachverständiger / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 2 di 2
--------------------------------------------	---------------------------------------------------------------------------------------------------------------	-----------------

INLAND JOB # 8361



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
10	100	EA	MS21060L3K		5277262-000	ALCOA KAYNAR FULLERT	15653		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947897292

Page: 1

Bill To: 5574
M & M AEROSPACE
HARDWARE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263

Ship To: (1)
M & M AEROSPACE
10000 N.W. 15TH TERRACE
MIAMI FL 33172

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Notice to Subsequent Purchaser or Repacker.
These articles are imported. The requirements of 19 U.S.C. 1304 & CFR part 134 provide that the articles or their containers must be marked in a conspicuous place as legibly, indelibly & permanently as the nature of the article or container will permit, in such a manner as to indicate to an ultimate purchaser in the United States, the English name of the country of origin of the article.

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
03/11/08	F284673	OEB586			

Line/Rel	Item	U/M	Qty Ordered	Qty To Pack
1-1	BG5040 F5001-3BC	EA	100,000	67,080

C/I: MS21060L3K

PO Item #:

*** TSO C-148 APPVD PART. TSO LABEL REQ'D ***

Cust Date: 11/25/08

Kay Date: 12/13/07

Lot: 5277262-000

COO:MEXICO

Waybill:

ECCN:9A991 Schedule-B Number:7318.16.0000

The export classification appears above. You are responsible for all related export license requirements.

CHEM & PHYS & MFG C OF C REQ

DUAL CERT TO F5001-3BC & NAS686C3MK

BILL LINE 1,2,3 & 4 TOGETHER

BUYER:CLAUDIA

5-592-5155

PHONE: 30

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Christopher Fredrickson
CHRISTOPHER FREDRICKSON
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947897292

Page: 2

Bill To: 5574
M & M AEROSPACE
HARDWARE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263

Ship To: (1)
M & M AEROSPACE
10000 N.W. 15TH TERRACE
MIAMI FL 33172

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
03/11/08	F284673	OEB586			

Line/Rel	Item	U/M	Qty Ordered	Qty To Pack
----------	------	-----	-------------	-------------

"MATERIAL COMPLIES WITH DFARS 252.225-70
14 REQUIREMENTS, "PREFERENCE FOR
DOMESTIC SPECIALTY METALS" WITH ITS ALTE
RNATE 1 APPLIES.

****ALLOWABLE SHIPPING TOLERANCE = +/-5%

***** CHEM & PHYS & MFG C OF C
REQ "MUST STATE COUNTRY OF ORIGIN WHERE
PARTS WERE MANUFACTURED ON
CERTIFICATION FOR EACH LOT NUMBER" ALL I
TEMS ON THIS PO MUST BE NEW AND TO
THE LATEST REV MFGS NAME & LOT# MUST APP
EAR ON PACKING SLIP ON ALL PAPER
WORK FOR ALL ITEMS. IF UNDER 150 # SHIP
VIA FED EX GROUND SERVICE: BILL
RECIPIENT ACCT: 0331-0149-0. IF OVER 1
50 # USE FED X NAT'L(WATKINS) ACCT.
018757. CUST REF: MUST BE THEIR PO #
"DO NOT PREPAY & ADD TO ANY OF THE
ABOVE METHODS" & "CONSOLIDATE SHIPMENTS
WHERE EVER APPROPRIATE" DO NOT SHIP

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. **This document must not be reproduced except in full and relates only to the items tested.**

Christopher Fredrickson
CHRISTOPHER FREDRICKSON
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947897292

Page: 3

Bill To: 5574
M & M AEROSPACE
HARDWARE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263

Ship To: (1)
M & M AEROSPACE
10000 N.W. 15TH TERRACE
MIAMI FL 33172

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
05/11/08	F284673	OEB586			

Line/Rel	Item	U/M	Qty Ordered	Qty To Pack
----------	------	-----	-------------	-------------

PARTS BY ANY OTHER CARRIER THAN THOSE LISTED ABOVE, WITHOUT PROPER WRITTEN AUTHORIZATION FROM M&M.
ECCN OR ITAR AND SCHEDULE B NUMBERS ARE REQUIRED ON PACKER AND CERTIFICATIONS.
CESSNA PACKAGE PRICE OKAY PER BOB P.
chem & phys certs

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CUSTOMER'S COPY

**Alcoa
Fastening
Systems**

Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON CA 92831

TEST REPORT

8113320

Lot No.

5277262-000

Supplier Item No.
BG5040Supplier Part No.
F5001-3BCInterchange Part No.
F5001-3BCInterchange Part No.
MS21060L3K Rev. NEWInterchange Part No.
NAS686C3MK Rev. 13Manufactured Quantity
67080

Mfg. Date

Generic Description
NUT ANCHOR 2 LUG

Thread Size

PERFORMANCE
NASM25027Material Spec. # 1
AMS 5525-IIMill Heat No.
553031Control Heat No.
AA14344Material Supplier
CARPENTER TECHNOLOGY CORPMaterial Spec. # 2
AMS 5525-HMill Heat No.
553318Control Heat No.
AA14415AMaterial Supplier
CARPENTER TECHNOLOGY CORP

Special Process Requirements:

THREADS AND GAUGING PER MIL-S-8879C AND
ANSI B1.3M SYS. 22
MIN EQUALS BKWY MAX EQUALS INST.
MAGNETIC PERMEABILITY LESS THAN 2.0

TEST RESULTS

TEST	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 070 TORQUE-OUT	LBS	1	1	60.00			60.00	
		2	1	60.00				
		3	1	60.00				
		4	1	60.00				
		5	1	60.00				
		6	1	60.00				
		7	1	60.00				
		8	1	60.00				
		9	1	60.00				
		10	1	60.00				
		11	1	60.00				
		12	1	60.00				
		13	1	60.00				
		14	1	60.00				
		15	1	60.00				
2 - 080 PUSH-OUT	LBS	1	1	100.00			100.00	
		2	1	100.00				
		3	1	100.00				
		4	1	100.00				
		5	1	100.00				
		6	1	100.00				
		7	1	100.00				
		8	1	100.00				
		9	1	100.00				

TEST RESULTS - Continued on next page.

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CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**

Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON CA 92831

TEST REPORT

8113320

Lot No.

5277262-000

Supplier Item No.
BG5040Supplier Part No.
F5001-3BC

TEST RESULTS - Continued from previous page.

TEST No. Description	QOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
		10	1	100.00				
		11	1	100.00				
		12	1	100.00				
		13	1	100.00				
		14	1	100.00				
		15	1	100.00				

Component	Lot Number 1 M003279-000	Supplier Part No. F5001-3XN	Supplier Item No. BG5060
Manufactured Quantity	Mfg. Date 12/06/07	Generic Description FLOATING NUT	Thread Size .1900-32
HEAT TREAT AMS-H-6875	PLATE/COAT AMS-QQ-P-35/AMS 2700	LUBRICATION AS5272 TY I	NON-DESTRUCT ASTM E1417 TY I SAMPLE
Performance BPS-N-70 CL 125TC4	Performance NASM25027		
Material Spec. AMS 5525-H	Mill Heat No. 553031	Control Heat No. AA14344	Material Supplier CARPENTER TECHNOLOGY CORP

TEST RESULTS

TEST No. Description	QOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1. 10 TORQUE TEST MAX 18, MIN 2 (CYCLES 1,7,15) TORQUE TEST BOLT CHAR: NAS9643	IN#	1	1	8.30	9.20		2.00	18.00
			7	9.50	10.90			
			15	12.30	13.20			
		2	1	8.40	9.60			
			7	8.60	9.70			
			15	10.20	11.30			
		3	1	7.60	8.70			
			7	9.50	10.60			
			15	10.30	11.20			
		4	1	8.60	9.30			
			7	10.30	11.30			
			15	12.80	13.20			
		5	1	9.10	10.50			
			7	10.20	10.40			
			15	10.80	11.40			
		6	1	8.30	8.60			
			7	9.80	10.60			
			15	11.20	11.30			
		7	1	7.60	8.90			
			7	10.50	11.90			

TEST RESULTS - Continued on next page.

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CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**



Aerospace Products
Fullerton Operations
800 S STATE COLLEGE BLVD
FULLERTON CA 92831

TEST REPORT

NO.

8113320

Page 3 of 5

Lot No.

5277262-000

Supplier Item No.
BG5040

Supplier Part No.
F5001-3BC

TEST RESULTS - Continued from previous page.

TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement			
4 - 110 HARDNESS HRC 38-44 9 - 012 Torque Test MAX INST. 18 LBS. 2.0 LBS. MIN. TORQUE TEST BOLT CHAR: KAS67-13U BACH301.M3U	HRC	8	15	12.10	12.10		2.00	18.00			
			1	8.40	10.30						
			7	9.40	10.30						
		9	15	10.80	11.30						
			1	8.90	10.50						
			7	10.20	10.60						
		10	15	11.10	11.00						
			1	9.40	10.60						
			7	10.90	11.40						
		11	15	12.50	13.20						
			1	8.40	9.90						
			7	10.20	10.50						
		12	15	12.20	12.50						
			1	9.20	10.30						
			7	10.10	10.30						
		13	15	12.10	12.40						
			1	7.60	9.20						
			7	10.10	10.30						
		14	15	12.10	12.40						
			1	10.20	11.00						
			7	10.80	11.20						
		15	15	13.00	13.00						
			1	8.30	9.50						
			7	10.20	10.90						
		1	15	12.90	13.20						
			1	43.00	44.00						
		IN#	1	1	8.30				8.60		
			7	9.50	10.30						
			15	12.30	12.60						
			1	8.40	9.20						
			7	8.60	9.40						
			15	10.20	10.90						
			1	7.60	8.40						
			7	9.50	10.30						
			15	10.30	10.80						
			1	8.60	9.00						
			7	10.30	11.20						
			15	12.80	13.50						
			5	1	9.10				10.30		

TEST RESULTS - Continued on next page.

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CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**

 Aerospace Products
 Fullerton Operations
 800 S. STATE COLLEGE BLVD
 FULLERTON, CA 92831

TEST REPORT

Lot No.

5277262-000

 Supplier Item No.
BG5040

 Supplier Part No.
F5001-3BC
TEST RESULTS - Continued from previous page.

TEST No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
11 - 020" TENSILE TEST 2,825 lbs. min.	LBS	6	7	10.20	10.60		2825.00	
			15	10.80	11.50			
			1	8.30	9.40			
		7	7	9.80	10.90			
			15	11.20	11.80			
			1	7.60	8.20			
		8	7	10.50	11.50			
			15	12.10	12.60			
			1	8.40	9.70			
		9	7	9.40	10.60			
			15	10.80	11.80			
			1	8.90	10.30			
		10	7	10.20	10.90			
			15	11.10	11.30			
			1	9.40	10.50			
		11	7	10.90	11.60			
			15	12.50	13.40			
			1	8.40	9.40			
		12	7	10.20	10.80			
			15	12.20	12.80			
			1	9.20	9.60			
		13	7	10.80	11.30			
			15	12.50	13.40			
			1	7.60	8.40			
		14	7	10.10	10.50			
			15	12.10	12.80			
			1	10.20	10.60			
		15	7	10.80	11.50			
			15	13.00	13.20			
			1	8.30	8.60			
		8	7	10.20	10.60			
			15	12.90	13.80			
			1	3340.00				
		2	1	2970.00				
		3	1	2970.00				
		4	1	2970.00				
		5	1	2970.00				
		6	1	2970.00				
		7	1	2970.00				
		8	1	2970.00				

TEST RESULTS - Continued on next page.
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Christopher J. Fredrickson
 CHRISTOPHER J. FREDRICKSON QA MGR.

Alcoa Fastening Systems Aerospace Products Fullerton Operations 800 S. STATE COLLEGE BLVD FULLERTON, CA 92631	TEST REPORT	NO. 8113320	Page 5 of 5
		Lot No. 5277262-000	

Supplier Item No.
BG5040Supplier Part No.
F5001-3BC**TEST RESULTS - Continued from previous page.**

TEST No. Description	QOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
		9	1	2970.00				
		10	1	2970.00				
		11	1	2970.00				
		12	1	2970.00				
		13	1	2970.00				
		14	1	2970.00				
		15	1	2970.00				

Component #

Lot Number
2 5263884-000Supplier Part No.
F5031-3BCFBSupplier Item No.
BG5510

Manufactured Quantity

Mfg. Date
02/15/08Generic Description
BASKET

Thread Size

Material Spec. #
AMS 5525-HMill Heat No.
553318Control Heat No.
AA14415AMaterial Supplier
CARPENTER TECHNOLOGY CORP**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

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Christopher J. Fredrickson
CHRISTOPHER J. FREDRICKSON QA MGR.

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000621276



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

AA14344

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- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

12/03/07

CUSTOMER/BESTELLER/CLIENT

SELLER/VERKÄUFER/VENDEUR PAGE 1 OF 2

FAIRCHILD FASTENERS
FULLERTON OPERATION
P O BOX 3001
FULLERTON ,CA 92631

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING ,PA 19601

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
220276164	LOS940001 L30900	12/03/07	4401.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 553031

PRODUCT DESCRIPTION: CONSUMET A286 COLD FINISH SOLUTION ANNEALED
PART NUMBER: 222619

SPECIFICATION: AMS 5525 (REAFFIRMED) REV H (04/ /06)
FAIRCHILD MS 300 REV 7 (01/17/03)
FAIRCHILD MS 550 REV 2 (12/10/02)

SIZE 0.750000 X 0.032000 IN. (19.05 X 0.81 MM) FLT STP

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (OES) 0.05	MN (XRF) 0.35	SI (XRF) 0.15	P (OES) 0.016	S (OES) 0.001	CR (XRF) 14.09
NI (XRF) 24.36	MO (XRF) 1.18	CU (XRF) 0.10	CO (XRF) 0.13	AL (OES) 0.16	TI (OES) 2.18
V (XRF) 0.25	B (OES) 0.0062				

THE CHEMICAL ANALYSIS OF THIS HEAT HAS BEEN PERFORMED BY THE CARPENTER SPECIALTY ALLOYS CHEMICAL LABORATORY, (CODE NUMBER PRI 100004), WHICH WAS ACCREDITED TO THE ISO/IEC 17025.

HARDNESS AS SHIPPED, HRBW - 82

BEND TEST - SATISFACTORY

YIELD STRENGTH, (0.20 %) KSI(MPA) 47.9 (330)
TENSILE STRENGTH, KSI(MPA) 97.5 (672)
ELONGATION IN "2.00", % 33.0

GRAIN SIZE PER ASTM E112: 12 (KALLINGS)

CAPABILITY

1325 F (718 C), 16 HR AIR COOL

HARDNESS 32HRC (7615N)

SMOOTH STRESS RUPTURE
TEST TEMP 1200 F (649 C)
STRESS, KSI(MPA) 67.5 (465)
TEST DISCONT. @ 23.0

X226

12/04/07

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die angegebenen Daten oder Zertifizierungen.
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000621276



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

12/03/07

CUSTOMER / BESTELLER / CLIENT

FAIRCHILD FASTENERS
FULLERTON OPERATION
P O BOX 3001
FULLERTON ,CA 92631

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING ,PA 19601

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SELLER / VERKÄUFER / VENDEUR PAGE 2 OF 2

CUSTOMER ORDER NO. / BESTELL.-NR. / N° DE COMMANDE	CARPENTER NO. / MERKS.-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
220276164	LOS940001 L30900	12/03/07	4401.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :

553031

CAPABILITY

1325 F(718 C), 16 HR

AIR COOL

YIELD STRENGTH, (0.20 %) KSI(MPA) 115.0(793)
TENSILE STRENGTH, KSI(MPA) 166.0(1145)
ELONGATION IN 2.00", % 20.0

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL SUPPLIED COMPLIES WITH THE REQUIREMENTS OF DFARS 252.225.7014
(JUNE 2005) ALT.1 AND SUBSECTION 225.872.1.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF SEPTEMBER 2, 2004 TO THE REQUIREMENTS OF ISO 9001:2000 APPROVAL CERTIFICATE 04-0540 BY PERFORMANCE REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS.

VICKI L. CLAY
MET RELEASE/REQUIREMENTS ANALYST
CARPENTER TECHNOLOGY CORPORATION

222619

Vicki L. Clay

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgetragenen Daten oder Zertifizierungen.
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000628633



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

01/10/08

CUSTOMER / BESTELLER / CLIENT

FAIRCHILD FASTENERS
FULLERTON OPERATION
P O BOX 3001
FULLERTON , CA 92631

AA 14415A

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

SELLER / VERKÄUFER / VENDEUR PAGE 1 OF 2

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING , PA 19601

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
220280531	LOS021201 L30146	01/10/08	332.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 553318

PRODUCT DESCRIPTION: CONSUMET A286 COLD FINISH SOLUTION ANNEALED
----- PART NUMBER: 221419

SPECIFICATION: AMS 5525 (REAFFIRMED) REV H (04/ /06)
----- FAIRCHILD MS 300 REV 7 (01/17/03)
FAIRCHILD MS 550 REV 2 (12/10/02)

SIZE 0.750000 X 0.020000 IN. (19.05 X 0.50 MM) FLT STP

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (OES)	MN (XRF)	SI (XRF)	P (OES)	S (OES)	CR (XRF)
0.05	0.29	0.22	0.013	LT .0005	14.20
NI (XRF)	MO (XRF)	CU (XRF)	CO (XRF)	AL (OES)	TI (OES)
24.20	1.18	0.09	0.16	0.15	2.19
V (XRF)	B (OES)				
0.23	0.0065				

THE CHEMICAL ANALYSIS OF THIS HEAT HAS BEEN PERFORMED BY THE CARPENTER SPECIALTY ALLOYS CHEMICAL LABORATORY, (CODE NUMBER PRI 100004), WHICH WAS ACCREDITED TO THE ISO/IEC 17025.

HARDNESS AS SHIPPED, HRBW - 85 / 81

BEND TEST - SATISFACTORY

YIELD STRENGTH, (0.20 %) KSI(MPA) 51.5(355)
TENSILE STRENGTH, KSI(MPA) 101.0(696)
ELONGATION IN 2.00", % 33.0

GRAIN SIZE PER ASTM E112: 10 / (KALLINGS)

CAPABILITY

1325 F(718 C), 16 HR AIR COOL

YIELD STRENGTH, (0.20 %) KSI(MPA) 120.0(827)
TENSILE STRENGTH, KSI(MPA) 170.0(1172)
ELONGATION IN 2.00", % 20.0
HARDNESS , HRC 34.0

1-11-08 K226

CONTINUED ON NEXT PAGE

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CERTIFICATE OF TESTS
CERT SERIAL# 000628633

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CARPENTER

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101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

01/10/08

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P O BOX 3001
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101 W. BERN STREET
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SELLER/VERKÄUFER/VEHDEURPAGE 2 OF 2

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
220280531	LOS021201 L30146	01/10/08	332.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE : 553318
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1.
CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF SEPTEMBER 2, 2004 TO
THE REQUIREMENTS OF ISO 9001:2000 APPROVAL CERTIFICATE 07-0869 BY PERFORMANCE
REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH
3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE
IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS.

HEIDI L. SUNDAY
MET RELEASE/REQUIREMENTS ANALYST
CARPENTER TECHNOLOGY CORPORATION

221419

Heidi L. Sunday

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P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

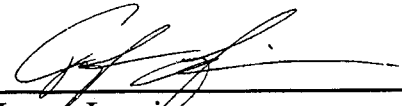
Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MPR	DATE	EXP DATE
15	200	EA	MS21042L5		51693	ALCOA FASTENING/REPU	52828			


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

Alcoa Fastening Systems



Shipper ID: 894595

Page: 1

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
NEWBURY PARK, REPUBLIC OPERATIONS
1300 Rancho Conejo Blvd
Newbury Park, CA 91320
TEL: (805) 262-4200

Ship Date: 09/10/14
Print Date: 09/10/14
Time: 10:18:13

Ship Via: FED EX OVERNIGHT
INCO Terms: FCA NEWBURY PARK

Container/Weight:
Carrier Shipment Ref: 894595
Bill Lading #:

SHIP VIA : FED EX OVERNIGHT

BUYER: ROHAN JOHNSON PHONE:

MATERIAL COMPLIES WITH DFARS 252.225-7009 PREFERENCE FOR DOMESTIC SPECIALTY
METALS" WITH ITS ALTERNATE 1.

***SHIP VIA FEDX AIR COLLECT ACCT# 0331-0149-0 IF 150 LBS OR MORE SHIP FED

EX FREIGHT ECONOMY COLLECT ACCT# 018757. ***

DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE = +0%-0%.

** BAR CODE PER QAP 33 CLAUSE P REQUIRED **

** QAP 33.0 REV G CLAUSES: A,A.1,B,C,E,H,P,U,V. CLAUSE A.3 GENERAL TERMS
APPLIES.

***REV. LATEST

RELEASE # W0190MMR88

03/18/14 ADDED TO THE MILESTONE UPDATED TO SHIP OVERNIGHT-AA

02/20/14 PER MILESTONE CALL MYRRA AND MARIA OK TO SPLIT ORDER FROM REPUBLIC
TO FULLERTON SO# F497806 BE WANTS TO TAKE 7,350 PCS IN STOCK FROM FULLERTON
NEW SALES ORDER WAS CREATED FOR FULLERTON STOCK-AA

05/12/14 ADDED TO THE MILESTONE UPDATED TO SHIP OVERNIGHT-AA

Sales Order: F454386 Order Date: 01/24/13 Purchase Order: OMMR88

Remarks: CONNIE

Ln	Item Number	Description	Rev	Qty Shipped	Qty B/O	UM
5	RH30A5	Hex Nut, 8740, TSO-C148		59120.0	0.0	EA *
		Low Height, Lightweight				
	Cust Line #:	5				
	Customer Item:	MS21042L5				

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Delfina Martinez
Name
A.F.S. Republic
Delfina Martinez
Signature

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON.

CUSTOMER'S COPY

Alcoa Fastening Systems



Shipper ID: 894595

Page: 3

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
NEWBURY PARK, REPUBLIC OPERATIONS
1300 Rancho Conejo Blvd
Newbury Park, CA 91320
TEL: (805) 262-4200

Ship Date: 09/10/14
Print Date: 09/10/14
Time: 10:18:13

Ship Via: FED EX OVERNIGHT
INCO Terms: FCA NEWBURY PARK

Container/Weight:
Carrier Shipment Ref: 894595
Bill Lading #:

export license requirements.

Ln	Item Number	Description	Rev	Qty Shipped	Qty B/O UM
----	-------------	-------------	-----	-------------	------------

7	RH30A5	Hex Nut, 8740, TSO-C148		22470.0	77530.0 EA *
---	--------	-------------------------	--	---------	--------------

Low Height, Lightweight

Cust Line #: 7

Customer Item: MS21042L5

Required Date: 04/02/14 Promised Date: 04/09/14

DUAL CERT TO: NAS1291-5

MFG C OF C CHEM & PHYS TEST REPORT REQ

Loc/Lot: f-2030	51693	22,470.00	COO: mx
-----------------	-------	-----------	---------

HTS CODE: 7318160085

SCHEDULE-B NUMBER: 7318160000 ECCN: 9A991

The export classification appears above. You are responsible for all related export license requirements.

***** Total Qty Shipped: 181,590 *****

CERTIFICATE OF CONFORMANCE

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Delfina Martinez *Delfina Martinez*
Name Signature
A.F.S. Republic

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON.

CUSTOMER'S COPY



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Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMOR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
6	1000	EA	NAS1149D0663J		X9492	ANILLO INDUSTRIES	10630		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

ANILLO Industries, Inc.

2090 NORTH GLASSSELL STREET, ORANGE, CA 92885-3391 USA
PLEASE REMIT TO
P.O. BOX 5586 ORANGE, CA 92863-5586 USA
(714)637-7000 (562)924-8632 FAX(714) 637-3022

**571156****Packing List & Certification**

WE ACCEPT
VISA/MASTER/DISCOVER/AMEX

SOLD TO		1165	SHIP TO		E
B/E AEROSPACE, INC. ATTN: ACCOUNTS PAYABLE DEPT. 10000 NW 15TH TERRACE MIAMI, FL 33172			B/E AEROSPACE, INC. CONSUMABLES MANAGEMENT 9835 NW 14TH ST MIAMI, FL 33172		
DATE ORDER REC'D	ORDER NUMBER	INVOICE DATE	SHIPPED VIA	TERMS	
12/19/2011	1A1294		FEDXG 033101490	1% 10 DAYS, NET 30	
ITEM	ORDERED	SHIPPED	DESCRIPTION		NET WEIGHT

1 385,715 **40.590** NAS1149D0663J
REV 5 / LOT#X9492 / MIN/MAX / QCR:1,4,6,8,15,16 / AN960JD616
ECCN: 9A991 Schedule B#: 7616.10.8000 COO: USNLR

We certify that: 1. item number 1 above is manufactured in accordance with the material and processing specifications of this order.
2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods.
No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

<< R.M.A.# REQUIRED FOR RETURNS >>

<< TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE >>

Certification

B/E Aerospace, Inc.
Consumable Management
Self Release

Signature & Stamp: Date: 7-25-14

BY Ben Omidwar
Ben Omidwar, Quality Assurance Manager

FI 4.03.05

STAMP PRINTS
ALVAREZ, Z.A.

[illegible]

Address	P. No.	Family No.	Alleg. No.
140022 and 140023	2011-07-21 781510*	00000	100046090-1
PA. M. DeCoudres, Jr.	Quebec	Alleg. 2000	07-52726-1-1
ATTN: Ed. G.	NOTICE: THE CD1000000007		
1010607	PN-8358074 12/14/13 TH		

Colp to: THE RECORD COMPANY

THE ASSURANCE DIVISION
13821 CANTERBURY ROAD
UNIT 7
FLORIDA 32810 94678

16. 0431 WZ 1E (043100 - 0030) K. 04. 0. 10 W. 1. 0404375 2. 0404375 3. 0404375 4. 0404375 5. 0404375 6. 0404375 7. 0404375 8. 0404375 9. 0404375 10. 0404375 11. 0404375 12. 0404375 13. 0404375 14. 0404375 15. 0404375 16. 0404375 17. 0404375 18. 0404375 19. 0404375 20. 0404375 21. 0404375 22. 0404375 23. 0404375 24. 0404375 25. 0404375 26. 0404375 27. 0404375 28. 0404375 29. 0404375 30. 0404375 31. 0404375 32. 0404375 33. 0404375 34. 0404375 35. 0404375 36. 0404375 37. 0404375 38. 0404375 39. 0404375 40. 0404375 41. 0404375 42. 0404375 43. 0404375 44. 0404375 45. 0404375 46. 0404375 47. 0404375 48. 0404375 49. 0404375 50. 0404375 51. 0404375 52. 0404375 53. 0404375 54. 0404375 55. 0404375 56. 0404375 57. 0404375 58. 0404375 59. 0404375 60. 0404375 61. 0404375 62. 0404375 63. 0404375 64. 0404375 65. 0404375 66. 0404375 67. 0404375 68. 0404375 69. 0404375 70. 0404375 71. 0404375 72. 0404375 73. 0404375 74. 0404375 75. 0404375 76. 0404375 77. 0404375 78. 0404375 79. 0404375 80. 0404375 81. 0404375 82. 0404375 83. 0404375 84. 0404375 85. 0404375 86. 0404375 87. 0404375 88. 0404375 89. 0404375 90. 0404375 91. 0404375 92. 0404375 93. 0404375 94. 0404375 95. 0404375 96. 0404375 97. 0404375 98. 0404375 99. 0404375 100. 0404375 101. 0404375 102. 0404375 103. 0404375 104. 0404375 105. 0404375 106. 0404375 107. 0404375 108. 0404375 109. 0404375 110. 0404375 111. 0404375 112. 0404375 113. 0404375 114. 0404375 115. 0404375 116. 0404375 117. 0404375 118. 0404375 119. 0404375 120. 0404375 121. 0404375 122. 0404375 123. 0404375 124. 0404375 125. 0404375 126. 0404375 127. 0404375 128. 0404375 129. 0404375 130. 0404375 131. 0404375 132. 0404375 133. 0404375 134. 0404375 135. 0404375 136. 0404375 137. 0404375 138. 0404375 139. 0404375 140. 0404375 141. 0404375 142. 0404375 143. 0404375 144. 0404375 145. 0404375 146. 0404375 147. 0404375 148. 0404375 149. 0404375 150. 0404375 151. 0404375 152. 0404375 153. 0404375 154. 0404375 155. 0404375 156. 0404375 157. 0404375 158. 0404375 159. 0404375 160. 0404375 161. 0404375 162. 0404375 163. 0404375 164. 0404375 165. 0404375 166. 0404375 167. 0404375 168. 0404375 169. 0404375 170. 0404375 171. 0404375 172. 0404375 173. 0404375 174. 0404375 175. 0404375 176. 0404375 177. 0404375 178. 0404375 179. 0404375 180. 0404375 181. 0404375 182. 0404375 183. 0404375 184. 0404375 185. 0404375 186. 0404375 187. 0404375 188. 0404375 189. 0404375 190. 0404375 191. 0404375 192. 0404375 193. 0404375 194. 0404375 195. 0404375 196. 0404375 197. 0404375 198. 0404375 199. 0404375 200. 0404375 201. 0404375 202. 0404375 203. 0404375 204. 0404375 205. 0404375 206. 0404375 207. 0404375 208. 0404375 209. 0404375 210. 0404375 211. 0404375 212. 0404375 213. 0404375 214. 0404375 215. 0404375 216. 0404375 217. 0404375 218. 0404375 219. 0404375 220. 0404375 221. 0404375 222. 0404375 223. 0404375 224. 0404375 225. 0404375 226. 0404375 227. 0404375 228. 0404375 229. 0404375 230. 0404375 231. 0404375 232. 0404375 233. 0404375 234. 0404375 235. 0404375 236. 0404375 237. 0404375 238. 0404375 239. 0404375 240. 0404375 241. 0404375 242. 0404375 243. 0404375 244. 0404375 245. 0404375 246. 0404375 247. 0404375 248. 0404375 249. 0404375 250. 0404375 251. 0404375 252. 0404375 253. 0404375 254. 0404375 255. 0404375 256. 0404375 257. 0404375 258. 0404375 259. 0404375 260. 0404375 261. 0404375 262. 0404375 263. 0404375 264. 0404375 265. 0404375 266. 0404375 267. 0404375 268. 0404375 269. 0404375 270. 0404375 271. 0404375 272. 0404375 273. 0404375 274. 0404375 275. 0404375 276. 0404375 277. 0404375 278. 0404375 279. 0404375 280. 0404375 281. 0404375 282. 0404375 283. 0404375 284. 0404375 285. 0404375 286. 0404375 287. 0404375 288. 0404375 289. 0404375 290. 0404375 291. 0404375 292. 0404375 293. 0404375 294. 0404375 295. 0404375 296. 0404375 297. 0404375 298. 0404375 299. 0404375 300. 0404375 301. 0404375 302. 0404375 303. 0404375 304. 0404375 305. 0404375 306. 0404375 307. 0404375 308. 0404375 309. 0404375 310. 0404375 311. 0404375 312. 0404375 313. 0404375 314. 0404375 315. 0404375 316. 0404375 317. 0404375 318. 0404375 319. 0404375 320. 0404375

Page 1 of 3

Page	Pageage	Field	Lat	Height	Quantity	Unit	Inspector	Check	Inspector
1	502972		219513	7100	1	PC	27761	4778	

NOTES FOR Q1: 0106580.12
PRODUCTS PRODUCED AND RELATED TO THE REQUIREMENTS OF HQ-Q1- 6-350/8 ALSO MEETS THE REQUIREMENTS OF HQ-Q-4-350/57, SECTION 2
PRODUCTS PRODUCED AND RELATED TO THE REQUIREMENTS OF HQ-Q-4-350/57, ADDENDUM 2 ALSO MEETS THE REQUIREMENTS OF HQ-Q-4-350/57.

Temp	Dlt	WTS	TTS	HEAD
F3	Long Transv.	WT1	WT1	PCT

Chemical Composition						Order Order	
	Al	Fe	Cd	Mn	Ni	Cr	Ti
Heat	0.50	0.50	4.9	0.9	1.8	0.30	0.35
Kiln			3.8	0.30	1.3		0.15

CERTIFIED COPY OF ORIGINAL

We hereby certify that this document is a correct copy of reports now on file at Anillo Industries, Inc.

Date: _____

Part Number:

Lot Number:

Signature:

Title:

Quality Records Clerk

AN960JD616

Certification

ANILLO INDUSTRIES, INC.
2090 North Glassell st.
Orange, CA. 92865-3391
(714) 637-9110

This is to certify that the below listed parts were processed per the applicable specification listed below.

Test reports and procedures governing this process are on file and subject to examination.

CHEMICAL FILM MIL-DTL-5541

Type	Class	Thickness	Revision
I	3		F

Job Number: **X9492**

P/N REV.: **5**

Quantity: **105,000**

Visual: **Y**

Part Number: **NAS1149 D 0663 J**

Adhesion: **N**

Description:

AN960J 5616

Date: **02/06/14**

Authorized by: *MARIBEL CUEVAS*

Stamp:



FORM # 4.09.117 REV A 05/19/09



P.O. Box 5263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
9	150	EA	MS21060-3K		5340465-000	ALCOA KAYNAR FULLERT	15653		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947994956

Page: 1

Bill To: 5574
B/E AEROSPACE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Notice to Subsequent Purchaser or Repacker.
These articles are imported. The requirements of 19 U.S.C. 1304 & CFR part 134 provide that the articles or their containers must be marked in a conspicuous place as legibly, indelibly & permanently as the nature of the article or container will permit, in such a manner as to indicate to an ultimate purchaser in the United States, the English name of the country of origin of the article.

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
12/28/10	F296602	OE656			

Line/Rel

It

B5500

F50313BC

C/I: BACN10JR3CFR

PO Item #:

*** TSO C-148 APPVD PART. TSO LABEL REQ'D ***

Lot: 5340465-000

COO:MEXICO

Waybill:

ECCN:9A991 Schedule-B Number:7318.16.0000

The export classification appears above. You are responsible for all related export license requirements.

CHEM & PHYS & MFG C OF C REQ
DUAL CERT TO NAS1031C3K, NAS686C3K AND M
S21060-3K
BILL LINE 10,11,12 & 13 TOGETHER

BUYER:DIMITRIS

PHONE: 30

Honeywell Source Accepted:

Christy Wiltjer
Christy Wiltjer

K352

Date

RMRA # (if appl)

N/A

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Christy Wiltjer
CHRISTOPHER FREDRICKSON
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

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Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947994956

Page: 2

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9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
12/28/10	F296602	OE656			

Line/Rel Item Description Order d to to each

CERTIFICATION

5592-5155
"MATERIAL COMPLETES WITH DPARS 252-225-70
14 REQUIREMENTS, "PREFERENCE FOR
DOMESTIC SPECIALTY METALS" WITH ITS ALTE
RNATE 1 APPLIES.
****ALLOWABLE SHIPPING TOLERANCE = +5%-1
0% ***** CHEM & PHYS & MFG C OF C
REQ "MUST STATE COUNTRY OF ORIGIN WHERE
PARTS WERE MANUFACTURED ON
CERTIFICATION FOR EACH LOT NUMBER" ALL I
TEMS ON THIS PO MUST BE NEW AND TO
THE LATEST REV MFGS NAME & LOT# MUST APP
EAR ON PACKING SLIP ON ALL PAPER
WORK FOR ALL ITEMS.

***** IF UNDER
150 # SHIP VIA FED EX GROUND SERVICE: BI
LL RECIPIENT ACCT: 0331-0149-0. IF
OVER 150 # USE FED X NAT'L(WATKINS) ACCT
. # 018757. CUST REF: MUST BE THEIR

CERTIFICATE OF CONFORMANCE

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Christopher Fredrickson
CHRISTOPHER FREDRICKSON
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

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**Alcoa
Fastening
Systems**



Packing Slip



Packing Slip: 9947994956

Page: 3

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800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
12/28/10	F296602	OE656			

Line/Rel Item Description Qty Unit Price Total Price
=====

CERTIFICATION

PO # "DO NOT PREPAY & ADD TO ANY OF THE
ABOVE METHODS" & "CONSOLIDATE
SHIPMENTS WHERE EVER APPROPRIATE" DO NOT
SHIP PARTS BY ANY OTHER CARRIER
THAN THOSE LISTED ABOVE, WITHOUT PROPER
WRITTEN AUTHORIZATION FROM M&M.
ECCN OR ITAR AND SCHEDULE B NUMBERS ARE
REQUIRED ON PACKER AND
CERTIFICATIONS.
chem & phys certs

CERTIFICATE OF CONFORMANCE

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**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S.STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

8154161

Lot No.

5340465-000

Supplier Item No.
BG5500Supplier Part No.
F5031-3BCInterchange Part No.
BACN10JR3CFR Rev. ACInterchange Part No.
F5031-3BCInterchange Part No.
MS21060-3K Rev. 1Interchange Part No.
NAS1031C3K Rev. 6Interchange Part No.
NAS686C3K Rev. 13

Interchange Part No.

Manufactured Quantity
25880

Mfg. Date

Generic Description
NUT ANCHOR TWO LUG

Thread Size

Performance

BPS-N-70 CL 125TC9PERFORMANCE
NASM25027Material Spec. # 1
AMS 5525-JMill Heat No.
560127Control Heat No.
AA16536BMaterial Supplier
CARPENTER TECHNOLOGY CORPMaterial Spec. # 2
AMS 5525-JMill Heat No.
559637Control Heat No.
AA16543DMaterial Supplier
CARPENTER TECHNOLOGY CORP

Special Process Requirements:

**THREADS AND GAUGING PER AS8879 AND
ANSI B1.3M SYS. 22
MIN EQUALS BKWY MAX EQUALS INST.
MAGNETIC PERMEABILITY LESS THAN 2.0****TEST RESULTS**

TEST	JOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 070 TORQUE-OUT	LBS	1	1	60.00			60.00	
		2	1	60.00				
		3	1	60.00				
		4	1	60.00				
		5	1	60.00				
		6	1	60.00				
		7	1	60.00				
		8	1	60.00				
		9	1	60.00				
		10	1	60.00				
		11	1	60.00				
		12	1	60.00				
		13	1	60.00				
		14	1	60.00				
2 - 080 PUSH-OUT	LBS	15	1	60.00				
		1	1	100.00			100.00	
		2	1	100.00				
		3	1	100.00				
		4	1	100.00				
		5	1	100.00				
		6	1	100.00				
		7	1	100.00				

TEST RESULTS - Continued on next page.**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

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CHRISTOPHER J. FREDRICKSON QA MGR.

NO. 8154161 Page 2 of 5

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**Lot No.
5340465-000Supplier Item No.
BG5500Supplier Part No.
F5031-3BC**TEST RESULTS - Continued from previous page**

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
		8	1	100.00				
		9	1	100.00				
		10	1	100.00				
		11	1	100.00				
		12	1	100.00				
		13	1	100.00				
		14	1	100.00				
		15	1	100.00				

Component # 1	Lot Number 5337532-000	Supplier Part No. F5031-3BCFB	Supplier Item No. BG5510
-------------------------	----------------------------------	-----------------------------------------	------------------------------------

Manufactured Quantity	Mfg. Date 09/09/10	Generic Description BASKET 2 LUG C'SUNK RIVET	Thread Size
-----------------------	------------------------------	---------------------------------------------------------	-------------

HEAT TREAT AMS-H-6875	PLATE/COAT AMS-QQ-P-35/AMS 2700	
---------------------------------	-------------------------------------------	--

Material Spec. # AMS 5525-J	Mill Heat No. 560127	Control Heat No. AA16536B	Material Supplier CARPENTER TECHNOLOGY CORP
---------------------------------------	--------------------------------	-------------------------------------	-------------------------------------------------------

TEST RESULTS

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 110 Hardness HRC 32 MIN	RC	1	1	36.00				

Component # 2	Lot Number M010319-000	Supplier Part No. F5031-3XN	Supplier Item No. BG5570
-------------------------	----------------------------------	---------------------------------------	------------------------------------

Manufactured Quantity	Mfg. Date 09/15/10	Generic Description NUT ELEMENT	Thread Size .1900-32
-----------------------	------------------------------	-------------------------------------------	--------------------------------

PLATE/COAT AMS 2410	HEAT TREAT AMS-H-6875	NON-DESTRUCT ASTM E1417 SAMPLE	PERFORMANCE BPS-N-70 CL 125TC9
-------------------------------	---------------------------------	------------------------------------------	------------------------------------------

PERFORMANCE NASM25027			
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Material Spec. # AMS 5525-J	Mill Heat No. 559637	Control Heat No. AA16543D	Material Supplier CARPENTER TECHNOLOGY CORP
---------------------------------------	--------------------------------	-------------------------------------	-------------------------------------------------------

TEST RESULTS

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 010 TORQUE TEST 18 lbs max, 2.0 lbs min. (1, 7 and 15 TORQUE TEST BOLT CHAR: NAS9603	IN#	1	1	8.15	8.20		2.00	18.00
			7	11.35	11.50			
			15	11.05	10.40			
		2	1	6.15	7.50			
			7	9.80	10.20			

TEST RESULTS - Continued on next page**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

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Christopher J. Fredrickson
CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**

 Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831

TEST REPORT

Lot No.

5340465-000

 Supplier Item No.
BG5500

 Supplier Part No.
FS031-3BC

TEST RESULTS - Continued from previous page.

----- TEST ----- No. Description	DOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
			15	10.45	10.60			
		3	1	9.00	9.20			
			7	10.65	10.95			
			15	9.80	1.80			
		4	1	7.70	8.15			
			7	9.90	9.85			
			15	10.90	10.90			
		5	1	10.35	11.00			
			7	10.30	10.10			
			15	9.40	9.75			
		6	1	5.10	6.75			
			7	8.30	9.15			
			15	5.35	10.50			
		7	1	8.80	8.90			
			7	10.00	10.25			
			15	10.45	10.30			
		8	1	10.10	10.40			
			7	10.30	10.80			
			15	9.70	10.40			
		9	1	7.20	7.85			
			7	8.35	8.65			
			15	10.75	11.10			
		10	1	7.20	8.80			
			7	10.30	10.60			
			15	6.05	11.25			
		11	1	7.90	8.45			
			7	10.25	10.40			
			15	5.10	10.45			
		12	1	8.90	9.50			
			7	10.50	10.35			
			15	10.40	11.10			
		13	1	8.15	8.40			
			7	11.25	11.50			
			15	9.95	11.25			
		14	1	8.85	10.25			
			7	10.90	10.85			
			15	10.10	11.65			
		15	1	10.20	10.60			
			7	11.30	11.65			
			15	10.10	10.45			

TEST RESULTS - Continued on next page.
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Christopher J. Fredrickson
CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**

 Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831

TEST REPORT

NO.

8154161

Page 4 of 5

Lot No.

5340465-000

 Supplier Item No.
BG5500

 Supplier Part No.
F5031-3BC

TEST RESULTS - Continued from previous page.

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
2-012 TORQUE TEST 18 lbs max, 2 lbs min, (1, 7, and 15) TORQUE TEST BOLT CHAR: NAS6703U, BACB30LM3U	IN#	1	1	6.90	7.75		2.00	18.00
			7	8.65	9.10			
			15	9.15	9.20			
		2	1	5.85	6.85			
			7	6.50	6.60			
			15	7.50	8.45			
		3	1	7.60	7.85			
			7	8.50	8.35			
			15	7.75	8.15			
		4	1	6.35	6.90			
			7	7.80	7.60			
			15	3.50	8.50			
		5	1	7.35	8.40			
			7	3.30	9.10			
			15	9.15	10.05			
		6	1	6.65	7.40			
			7	7.25	7.70			
			15	8.70	9.10			
		7	1	7.15	7.70			
			7	7.45	7.65			
			15	7.90	7.85			
		8	1	7.10	7.45			
			7	7.35	7.35			
			15	8.40	8.25			
		9	1	7.55	8.20			
			7	8.15	8.35			
			15	9.05	9.20			
		10	1	5.70	6.75			
			7	6.05	6.50			
			15	7.30	7.40			
		11	1	7.20	7.55			
			7	8.05	8.45			
			15	8.75	9.35			
		12	1	7.55	7.80			
			7	8.40	8.55			
			15	7.65	8.05			
		13	1	7.05	7.85			
			7	8.40	8.50			
			15	8.65	8.55			
		14	1	6.75	7.30			

TEST RESULTS - Continued on next page.
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**Alcoa
Fastening
Systems**



Aerospace Products
Fullerton Operations
800 S.STATE COLLEGE BLVD
FULLERTON, CA 92831

TEST REPORT

8154161

Lot No.

5340465-000

Supplier Item No.
BG5500

Supplier Part No.
F5031-3BC

TEST RESULTS - Continued from previous page.

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
3 - 020 TENSILE TEST 2825 lbs min per spec.	LBS	15	7	6.90	7.30		2825.00	
			15	8.55	9.00			
			1	5.70	6.60			
			7	6.10	6.25			
			15	6.70	6.70			
		1	1	3690.00				
		2	1	2980.00				
		3	1	2980.00				
		4	1	2980.00				
		5	1	2980.00				
		6	1	2980.00				
		7	1	2980.00				
		8	1	2980.00				
		9	1	2980.00				
		10	1	2980.00				
4 - 110 HARDNESS HRC 38-44 (per drawing)	RC	11	1	2980.00				
		12	1	2980.00				
		13	1	2980.00				
		14	1	2980.00				
		15	1	2980.00				
		1	1	39.00	41.00			

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Christopher J. Fredrickson
CHRISTOPHER J. FREDRICKSON QA MGR.

Date Created: Tue Dec 28 14:25:56 2010

SHIPPER#: 9947994956

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000737392

**CARPENTER**

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

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- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
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07/27/10

CUSTOMER / BESTELLER / CLIENT

SEITE / VERKAUFER / VENDEUR PAGE 1 OF 2

ALCOA FASTENING SYSTEMS
FULLERTON OPERATION

P O BOX 3001
FULLERTON

CA 92631

RAN

CUSTOMER ORDER NO. / BESTELL. NR. / N° DE COMMANDE	CARPENTER NO. / WELPS. NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
220446302	W76259	07/27/10	558.000

HEAT NUMBER / SCHMELZE NR. / N° DE COULEE: 560127

PRODUCT DESCRIPTION: CONSUMET A286 COLD FINISH SOLUTION ANNEALED
PART NUMBER: 221419

SPECIFICATION: AMS 5525 REV J (08/ /07)
FAIRCHILD MS 300 REV 7 (01/17/03)
FAIRCHILD MS 550 REV 2 (12/10/02)

SIZE 0.750000 X 0.020000 IN. (19.05 X 0.51 MM) FLT STP

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (OES) 0.05	MN (XRF) 0.31	SI (XRF) 0.20	P (OES) 0.016	S (OES) 0.001	CR (XRF) 14.20
NI (XRF) 24.89	MO (XRF) 1.21	CU (XRF) 0.12	CO (XRF) 0.20	AL (OES) 0.16	TI (OES) 2.16
V (XRF) 0.26	B (OES) 0.0060				

THE CHEMICAL ANALYSIS OF THIS HEAT HAS BEEN PERFORMED BY THE CARPENTER SPECIALTY ALLOYS CHEMICAL LABORATORY, (CODE NUMBER PRI 100004), WHICH WAS ACCREDITED TO THE ISO/IEC 17025.

HARDNESS AS SHIPPED, HRBW - 82 / 83

BEND TEST - SATISFACTORY

TENSILE STRENGTH, KSI (MPA) 97.5 (672)
ELONGATION IN 2.00", % 35.0

GRAIN SIZE PER ASTM E112: 10 (KALLINGS)

CAPABILITY

1325 F (718 C), 16 HR

AIR COOL

YIELD STRENGTH, (0.20 %) KSI (MPA) 113.0 (779)
TENSILE STRENGTH, KSI (MPA) 162.0 (1117)
ELONGATION IN 2.00", % 20.0
HARDNESS, HRC 32.0

8/4/10

CONTINUED ON NEXT PAGE

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SHIPPER#: 9947994956

Date Created: Tue Dec 28 14:25:56 2010

SHIPPER#: 9947994956

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000737392



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa 19601
Tel: (610) 208-2000 (800) 338-4592

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CUSTOMER/BESTELLER/CLIENT

ALCOA FASTENING SYSTEMS
FULLERTON OPERATION

P O BOX 3001
FULLERTON

CA 92631

SELLER/VERKAUFER/VENDEUR PAGE 2 OF 2

RAN

CUSTOMER ORDER NO./BESTELL NR./N° DE COMMANDE	CARPENTER NO./WERKS NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
220446302	W76259	07/27/10	558.000

HEAT NUMBER / SCHMELZENR. / N° DE COULEE:
CAPABILITY

560127

1325 F(718 C), 16 HR

AIR COOL

SMOOTH STRESS RUPTURE
TEST TEMP 1200 F(649 C)
STRESS KSI(MPA) 67.5(465)
TEST DISCONT. @ 23.0

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1,
SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.
CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2007 TO
THE REQUIREMENTS OF ISO 9001:2000 APPROVAL CERTIFICATE 07-0869 BY PERFORMANCE
REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH
3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE
IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS.

DATE REVISED: 07/23/10

DAISY L TALBOT
ADMINISTRATOR - QUALITY
CARPENTER TECHNOLOGY CORPORATION

Daisy Talbot

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SHIPPER#: 9947994956

Date Created: Tue Dec 28 14:25:56 2010

SHIPPER#: 9947994956

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000741119

**CARPENTER**

Carpenter Technology Corporation
101 West Barn Street, Reading, Pa. 19601
Tel: (610) 268-2000 (800) 338-4592

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08/31/10

CUSTOMER/BESTELLER/CLIENT

SELLER/VERKAUFER/VENDEUR PAGE 1 OF 2

ALCOA FASTENING SYSTEMS
FULLERTON OPERATION

P O BOX 3001
FULLERTON

CA 92631

RAN

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/GATE	WEIGHT/GEWICHT/POIDS
220446302	W77661	08/31/10	3975.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE:

559637

AA16543D

PRODUCT DESCRIPTION: CONSUMET A286 COLD FINISH SOLUTION ANNEALED
PART NUMBER: 222619

SPECIFICATION: AMS 5525 REV J (08/ /07)
FAIRCHILD MS 300 REV 7 (01/17/03)
FAIRCHILD MS 550 REV 2 (12/10/02)

SIZE 0.750000 X 0.032000 IN. (19.05 X 0.81 MM) FLT STP

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (OES) 0.04	MN (XRF) 0.34	SI (XRF) 0.17	P (OES) 0.017	LT S (OES) 0.0005	CR (XRF) 13.76
NI (XRF) 24.39	MO (XRF) 1.18	CU (XRF) 0.15	CO (XRF) 0.31	AL (OES) 0.17	TI (OES) 2.19
V (XRF) 0.24	B (OES) 0.0065				

THE CHEMICAL ANALYSIS OF THIS HEAT HAS BEEN PERFORMED BY THE CARPENTER SPECIALTY ALLOYS CHEMICAL LABORATORY, (CODE NUMBER PRI 100004), WHICH WAS ACCREDITED TO THE ISO/IEC 17025.

HARDNESS AS SHIPPED, HRBW

85 / 85

BEND TEST - SATISFACTORY

YIELD STRENGTH, (0.20 %) KSI(MPA) 46.8 (323)
TENSILE STRENGTH, KSI(MPA) 92.5 (638)
ELONGATION IN 2.00", % 38.0

GRAIN SIZE PER ASTM E112: 10 (KALLINGS)

9/9/10 K324

CONTINUED ON NEXT PAGE

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SHIPPER#: 9947994956

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000741119

**CARPENTER**

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
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08/31/10

CUSTOMER/BESTELLER/CLIENT

ALCOA FASTENING SYSTEMS
FULLERTON OPERATION

P O BOX 3001

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SEITE / VERKAUFER / VENDEUR PAGE 2 OF 2

RAN

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
220446302	W77661	08/31/10	3975.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :

559637

CAPABILITY

1325 F (718 C), 16 HR

AIR COOL

HARDNESS

34HRC (7715N)

SMOOTH

STRESS RUPTURE

TEST TEMP

1200 F (649 C)

STRESS, KSI (MPA)

67.5 (465)

TEST DISCONT. @

23.0

YIELD STRENGTH, (0.20 %) KSI (MPA)

116.0 (800)

TENSILE STRENGTH, KSI (MPA)

162.0 (1117)

ELONGATION IN 2.00", %

21.0

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1,
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DAWN E. BOSCH
ADMINISTRATOR - QUALITY
CARPENTER TECHNOLOGY CORPORATION

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Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

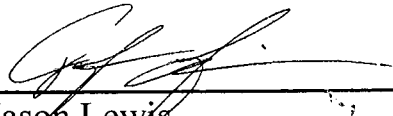
Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
11	500	EA	MS20427M3-3		S141208005K	ALLFAST FASTENING	53551		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

ALLFAST

FASTENING SYSTEMS, INC.

P.O.Box 3166 - 15200 Don Julian Road
City Of Industry, California 91745-1098
Phone (626)968-9388 - Fax (626)968-9393
www.allfastinc.com

CERTIFICATE OF CONFORMANCE

DATE: 01/06/2015

CERTIFICATION NUMBER: 000178399

CUSTOMER NAME: KLX AEROSPACE SOLUTIONS

NOMENCLATURE: Solid Rivet

PURCHASE ORDER: OZYMY47

QUANTITY: 93 LB

PART NUMBER: MS20427M3-3

REV: 2

SHIPPER NUMBER: 102140184136

LOT CONTROL NUMBER: S141208005K

DATE OF MANUFACTURE: 11/22/2014

MATERIAL LOT NUMBER: S314514

HEAT LOT NUMBER: 569587

MATERIAL VENDOR: CARPENTER TECHNOLOGY

MATERIAL TYPE: MONEL

PROCUREMENT SPECIFICATION: N/A

SHEAR STRENGTH REQUIRED: 49,000 PSI - 59,000 PSI		
SHEAR TEST RESULTS:	1: 55,495 PSI	2: 55,636 PSI
	3: 56,378 PSI	4: 54,695 PSI
	6:	7:
	9:	10:

DIMENSIONAL INSPECTION

SAMPLE SIZE: 4

RESULTS: ACCEPTABLE

ASTM GRAIN SIZE #: N/A

DRIVEABILITY: ACCEPTABLE

FINISH: N/A

COMMENTS: DFARS 252.225-7009 COMPLIANT. AIRBUS SAS APPROVAL NO. 30188.

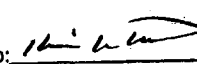
The undersigned hereby certifies that the product(s) supplied herewith were manufactured and inspected in accordance with all applicable drawings and specifications, and conforms to all applicable government and/or customer requirements. All supporting documentation is on file and is available for review upon request.

The aforementioned items were manufactured by Allfast Fastening Systems, Inc at 15200 Don Julian Road, City of Industry, California 91745.

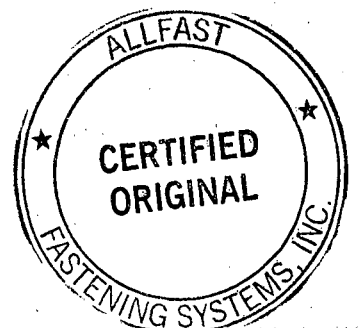
This certification shall not be reproduced, except in full, without written approval of Allfast Fastening Systems, Inc. Recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal law.

Country of origin: USA

B/E Aerospace, Inc. - Consumables Management
Self Release

Signature and Stamp:  

Date: 1/6/2015



 
QUALITY ASSURANCE REPRESENTATIVE

Page 1 of 1

MANUFACTURERS OF AIRCRAFT AND COMMERCIAL FASTENERS

CERTIFICATE OF TESTS
CERT SERIAL# 000910881

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

MAR 05 2014

S314514 (AF 92)

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02/21/14

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR PAGE 1 OF 2

ALLFAST FASTENING SYSTEMS INC.
P.O. BOX 3166
CTY OF INDUSTRY, CA 91744

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING, PA 19601

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
118023-17	LOS584101 L21433	02/21/14	667.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 569587

PRODUCT DESCRIPTION: NICKEL COPPER ALLOY 400 ANNEALED COLD FINISH SEAM FREE C
----- HDG CL C3 PRECOAT/GREASE
PART NUMBER: M-303-3

SPECIFICATION: ALLFAST M-303 (DASH NO. -3) REV Q (05/30/12) EXCPT LTR
----- (08/19/10) APPROVED
OO-N-281D AMD 2 (10/23/85) (CLASS A)
AS 7233 (CHEM. ONLY) (04/24/92) (CHEMISTRY ONLY)
ALLFAST POS-100 (06/ /09)
AS 9100 REV C (01/ /09)
DEARS 1998 EDITION
ALLFAST Q-102 REV G (03/19/07)

**ALLOY VERIFICATION
HAS BEEN PERFORMED** (AF 92)

SIZE 0.093000 IN. (2.36 MM) RD WIRE

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (OES)	S (COM)	NI (XRF)
0.03	1.11	0.25	0.01	0.004	66.36
CU (XRF)	CO (XRF)	SN (MS)	AL (OES)	TI (XRF)	FE (XRF)
30.35	0.07	0.001	0.01	LT .01	1.62
NI+CO	PB (MS)	ZN (MS)			
66.43	0.001	0.002			

EACH LOT HAS BEEN SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH OO-N-281D AMD 2 AND MEETS ALL SPECIFICATION REQUIREMENTS EXCEPT SIZE TOLERANCES.

MATERIAL SUPPLIED MEETS THE TECHNICAL REQUIREMENTS OF THE SPECIFICATION(S) NOTED ON THIS ORDER.

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

SHEAR STRENGTH - 51.1 KSI RIVET TOOL SHEAR ASTM-B565 METHOD CONVERTED FROM DOUBLE RESTRAINED SHEAR

CONTINUED ON NEXT PAGE

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CERTIFICATE OF TESTS

CERT SERIAL# 000910881

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

S314514



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02/21/14

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR PAGE 2 OF 2

ALLFAST FASTENING SYSTEMS INC.
P.O. BOX 3166
CTY OF INDUSTRY, CA 91744

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING, PA 19601

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
118023-17	LOS584101 L21433	02/21/14	667.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 569587

TENSILE AS SHIPPED, LOAD VALUE:	KSI (MPA)	(COIL 1) 84.0 (579) 572 LBS	(COIL 2) 82.5 (569) 561 LBS	(COIL 3) 83.5 (576) 567 LBS
------------------------------------	-----------	-------------------------------------	-------------------------------------	-------------------------------------

TENSILE AS SHIPPED, LOAD VALUE:	KSI (MPA)	(COIL 4) 84.0 (579) 569 LBS	(COIL 5) 83.0 (572) 564 LBS
------------------------------------	-----------	-------------------------------------	-------------------------------------

MATERIAL HAS BEEN MELTED AND MANUFACTURED IN THE USA WHICH IS A QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.

THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE REVIEW INSTITUTE. THIS CERTIFICATE OF TEST IS TYPE 3.1 PREPARED IN ACCORDANCE WITH EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

DANIELLE A MURPHY
ADMINISTRATOR - QUALITY
CARPENTER TECHNOLOGY CORPORATION

M-303-3



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR	DATE	EXP DATE
8	500	EA	MS27039C1-08		72807	MAC FASTENERS	0RFT4			


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

MACFASTENERS, INC.

Packing List

Bill KLX INC.
To: 10000 NW 15TH TERRACE
MIAMI, FL 33172

Ship B/E AEROSPACE CONSUMABLES MGMT
To: 9835 NW 14th Street
Miami, FL 33172
United States

Shipment No: 69088
Shipment Date: 04/24/15
Ship Via: United Parcel Service
Order Number: 50886
Order Date: 04/19/14

Customer Code: BE AEROSPACE
Phone: (305) 925-2600
PO Number: 0XLP22
Terms: Net 30 Days

LOT #72807

Item	Quantity				Unit	Description	Revision	Job Number
	Open	Shipped	Back Ord	Canceled				
7	50,000	54,530	0		M	MS27039C1-08 Screw machine pan head structural cross recessed A286 material		72807

Packing Clerk's Initials
MACFASTENERS, INC.

Received In Good Order By
B/E AEROSPACE CONSUMABLES MGMT

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

**CERTIFICATE OF CONFORMANCE
AND
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: KLX AEROSPACE SOLUTIONS

PO: 0XLP22

PART NUMBER: MS27039C1-08

REV: 4

LOT NUMBER: 72807

MANUFACTURED QUANTITY: 60,000

MILL HEAT NUMBER: QQ972/13

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

MERCURY FREE CERTIFICATION

MacFasteners certifies that the parts referenced in the above lot number
do not contain Mercury or Mercury compounds, and were
manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC
FASTENERS within the United States, and were processed in accordance with all applicable drawings and
specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 04/23/15


QUALITY ASSURANCE REPRESENTATIVE



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
13	400	EA	MS20601AD4W3		87836273	CHERRY AEROSPACE SAN	11815		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15



CHERRY®
AEROSPACE
SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: S0384202
Order Date: 06/06/14
Print Date: 09/16/14

Page: 1



Sold-To: 10015341

Ship-To: 10043053

S O L D T O	B/E AEROSPACE
	PO BOX 025263
	MIAMI, FL 33102-5263
	USA

S H I P T O	B/E AEROSPACE INC,
	CONSUMABLES MANAGEMENT
	9835 NW 14TH ST
	MIAMI, FL 33172
	USA

Salesperson (s):110

Purchase Order: 0YNB23

Credit Terms: NET 30
Net 30

Ship Via: FED EX NATIONAL CL
FOB: Origin - Collect

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0
IF OVER 150# SHIP FED EX NATIONAL ACCOUNT# 018757 - DO NOT INSURE
DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS
DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

TEST REPORTS ENCLOSED

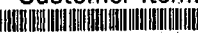
ECCN: EAR99

DO NOT DESTROY

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009 ALT I
*PREFERENCE FOR DOMESTIC SPECIALTY METALS

Unless otherwise specified on this order, Cherry will manufacture and certify parts to the part number's latest revision. Latest revisions are shown at <https://bizpartner.cherryaerospace.com/partrevisions.htm> under "Part Number Revision List".

INCORRECT AND UNAVAILABLE PART NUMBERS WILL BE LINED OUT ON PO
CHERRY AEROSPACE DOES NOT ACCEPT CLAUSE V IN REGARDS TO ISO17025- CHERRY
IS COMPLIANT TO NADCAP REQUIREMENTS ONLY

Ln	Item Number	Site T LocationLot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
1	CR9162-4-03 Customer Item: MS20601AD4W3 	1600 D0603 87971281	24300.0	EA	10/09/14 ()

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

Signed

SIM NGUYEN



CHERRY®
AEROSPACE
SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: SO384202
Order Date: 06/06/14
Print Date: 09/16/14

Page: 2



Sold-To: 10015341



Ship-To: 10043053

S
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L
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T
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B/E AEROSPACE
PO BOX 025263
MIAMI, FL 33102-5263
USA

S
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O

B/E AEROSPACE INC,
CONSUMABLES MANAGEMENT
9835 NW 14TH ST
MIAMI, FL 33172
USA

Ln	Item Number	Site T Location Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
1		10505 87836273	17300.0	()	

TEST REPORTS ENCLOSED
DO NOT DESTROY

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CERTIFICATION

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Signed

SIM NGUYEN

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum Fabricated Products, LLC
600 Kaiser Drive
Heath, OH 43056-1088
740-522-1151

Miscellaneous Notes

Made in USA

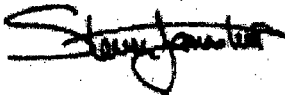
Chemical exceptions Fe 0.30-0.7 Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full, without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

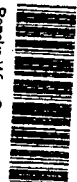
Steven J. Tua, Technical Manager



APR 24 2014



Bereite Wire Company
852763



A74728

Plant Serial: 35516

Kaiser Order Number: 172560092

Line Item: 1

BENEKE

Product Certification And Testing Report

Customer:

CHERRY AEROSPACE LLC
ATTN: ACCTS. PAYABLE
1224 EAST WARNER AVENUE
P.O. BOX 2157
SANTA ANA CA 92707-0157

Date >> 5/22/2014

Customer PO No.	BWC Lot No.:	Date Shipped:
PO165732	26142	5/22/2014
Cust Item ID: M051-0980		

BWC Item No.
2F09808T3741A01

Description:

.098" DIA. + - .0005" 4F 2017 - T37
#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"
BLOCKWOUND 100# COILS.

Specifications:

CUST SPEC M-51 REV. L
FED SPEC QQ-A-430 REV. C

Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total	Aluminum Remainder	Case No.	lbs	Diameter (in)	Tensile (psi)	Yield (psi)	Peak Load (lbs)	EL %	Grain Size
2017	.20 - .8	-.7	3.5 - 4.5	.40 - 1.0	.40 - .8	-.10	-.25	-.15	.05	.15									

852901 .28 / .17 / 3.9 / .47 / .49 / .00 / .01 / .01 /

42235-1	337	0.0982	67,440.0	510.8
42235-2	214	0.0982	69,380.0	525.5

Total Weight: 551

JUN - 2 2014



Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED IN THIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

5540 National Turnpike

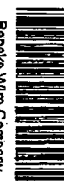
Louisville, KY 40214

Authorized
Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434

Beneke Wire Company
852801



A74944

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum Fabricated Products, LLC
600 Kaiser Drive
Heath, OH 43056-1088
740-522-1151

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:	
				ALY-JUMBO	
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	ALLOY:	TEMPER:	
172560092	1	03/21/2014	2117		
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:
5260 lbs.	23 pcs.	9419		0.000 in.	0.0 in.
SHIP TO:			SOLD TO:		
BENEKE WIRE COMPANY 5540 NATIONAL TURNPIKE LOUISVILLE, KY 40214			BENEKE WIRE COMPANY 5540 NATIONAL TURNPIKE LOUISVILLE, KY 40214		

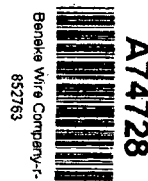
Test Code: 8000

Actual Physical Properties

Lot No.	No. Tests	WGU
		ksi
852763	1	MIN 21.7 MAX 21.7

Chemical Composition, WT. % (Aluminum Remainder)

Lot	Cast/Drop	ChemID	Si	Fe	Cu	Mn	Mg	Cr	Zn
852763									
2-2F2	Act.		0.46	0.40	2.8	0.14	0.46	0.07	0.14
188927									
Chemical	Min				2.2		0.20		
Limits	Max		0.8	0.7	3.0	0.20	0.50	0.10	0.25
		Others	Each	0.05	Max		Total	0.15	Max



APR 24 2014



Plant Serial: 35516
Kaiser Order Number: 172560092
Line Item: 1



CHERRY[®] AEROSPACE
SPS Fastener Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Accredited

Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report

Cherry[®] Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Parts List

Lot I.D. No.: **87836273**

Rev: **1**

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
MS20601AD4W3	1	MIL-R-7885	D2



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LIN#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
2	300	EA	MS24693-24B		52960	NORTH EAST FASTENERS	07ZN5		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

ISO9001:2008 & AS9100



QSLM Level 2/3
Cage code: 07ZN5



**NORTH EAST FASTENERS
CORPORATION**

Telephone:
(860) 589-3242

Fax:
(860) 589-6969

Web-Site: www.NEF1.com
E-mail: nef@NEF1.com

CERTIFICATE OF CONFORMANCE

This certifies that these fasteners are in conformance to the specifications required for this order and that these fasteners sold by North East Fasteners Corporation were manufactured at 8 Tremco Dr., Terryville, CT 06786 U.S.A.

Customer Order Information			
Name : B/E Aerospace Consumables Management			
Ship Date: 04/25/2014		NEF Part #: 6320.2500PF1DMSDSSBOM	
P.O. #: 0WYX73		Heat #: RX9686	
Qty Shipped: 52.500 m		Lot #: 52960	
Descr: 6-32 x 1/4" Phillips Flat 100° Marked With One Dash MS (2A) 302HQ Stainless DFARS Compliant Black Oxide Mil-DTL-13924D CL 4			
DFARS PER: 252.225-7014 ALT :			
Specifications			
IFI		ISO	
Customer Print		DIN	
Metric IFI		JIS	
Other Specifications			
DFARS CERT 252.225-7009			
Print # : NASM24693-24B REV 3			
Part # : MS24693-24B REV 3			
Desc :			
Dual :			
Passed Magnetic Permeability, This certifies that these fasteners are in conformance with the EU RoHs & WEE Directives.			

Mark Sovia



* This product has been mfg. in an environment free from contamination by Mercury or any of its compounds.

AS9100/ISO 9001-2008 QSLM Level 2/3 CAGE Code: 07ZN5 website: www.nef1.com



QSLM Level 2/3
Cage code: 07ZN5



NORTH EAST FASTENERS
C O R P O R A T I O N

Telephone:
(860)-589-3242

Fax:
(860)-589-6969

Website: www.nefl.com
e-mail: nef@nefl.com

PO Number: 0WYX73

Date: 04/21/2014

Lot Number: 52960

Lot Size: 110.00

Heat Number: RX9686

Specs: NASM24693

Description: 6-32 x 1/4" Phillips Flat 100° Marked With One Dash MS (2A) 302HQ Stainless DFARS Compliant Black Oxide Mil-DTL-13924D CL 4

Axial Tensile Results

Requirements : 730 Lbs Min

Sample	Ultimate Tensile Strength (Lbs)
1	1014
2	1021
3	1012
4	1016
5	1013
6	1019
7	1017
8	1022

Joe Longo

Quality Control Manager



All tests listed on this certification have been performed in accordance with the required specifications named above. Calibrations are in accordance with ISO10012-1. The analysis reported on this certification is in accordance with North East Fasteners Quality Manual guidelines and methods.

UniMetal Surface Finishing, LLC.
 135 S. Main St.
 Thomaston, CT 06787
 Phone: (860) 283-0271 Fax: (860) 283-8589
 www.UniMetal.com

ISO 9001:2008 Certified

Shipping Order

S.O. No.	1059915
Ship Date	04/23/14
Page	1



Ship To:

NORTH EAST FASTENERS
 8 TREMCO DRIVE
 PLYMOUTH BUSINESS PARK
 TERRYVILLE, CT 06786

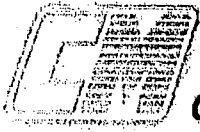
Bill To:

NORTH EAST FASTENERS
 8 TREMCO DRIVE
 PLYMOUTH BUSINESS PARK
 TERRYVILLE, CT 06786
 Phone: (860) 589- 3242

Notes		Ship Via	Terms
			1.00%10NET30
Qty Received	Part No. & Description		Qty Shipped
110000.00 99.00 LBS	6-32X1/4" PHILL FLAT 100 MARKED WITH ONE DASH MS (2A) P.O.#: 20374 Job #: 192381 Lot #: 52960 Containers Shipped: 3 PANS Specs: BLACK OXIDE & OIL PER MIL-DTL-13924D CL 4 40-000	* Completed *	110000.00 99.00 LBS
	Total Weight Shipped:		99.00 LBS

ISO No: UNI 7.5-4-17-004 REV3

Shipped By: _____ Received By: _____ Date Received: _____



**Cincinnati
METALS
Company, Inc.**

8261 Cornell Road.
Suite 620
Cincinnati, OH 45249
Ph: 800-999-2600
Fax: 513-755-9603

TEST CERTIFICATE

Bill To:
NORTH EAST FASTENERS CORP.
P.O. BOX 322
TERRYVILLE, CT 06786

Ship To:
NORTH EAST FASTENERS CORP.
8 TREMCO DRIVE
TERRYVILLE, CT 06786

Customer PO#: 022714

Customer Part #:

Invoice Date: 2/28/2014 Invoice: 20157	CMC SO: 26029 Line: 7 Item: 3021140HQN.M.CTD	Ordered: 3,677 Shipped: See Tags
Item Desc: .1140 DIA 302HQ SS WIRE X Certification Nbr: RMI/SS/3225	SPECS ASTM A-493/05 ISO A3506 A2 QQS-763F AMS-STD66/SAE AIR4127	

MATERIAL TEST RESULTS

Heat: 9686

Chemical Composition %

	<u>C</u>	<u>MN</u>	<u>P</u>	<u>S</u>	<u>SI</u>	<u>CR</u>	<u>NI</u>	<u>CU</u>	<u>MO</u>	<u>N</u>
Actual:	0.015	0.8460	0.023	0.001	0.497	17.171	9.288	3.085	0.000	0.000

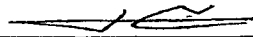
Mechanical Properties

<u>Tensile Strength (KSI):</u>	<u>Country of Origin (Melt)</u>	<u>Alt Heat Number</u>	<u>DFAR Compliant (Y/N)</u>
78.49	FRANCE	327035	YES 252.225-7009

Tag: 30617	S	26029	1,790 lb
Tag: 30621	S	26029	1,887 lb
Total Weight:			3,677 lb

received
3/3/14 MS

Material Test Results and Specifications are provided to
Cincinnati Metals Company by the issuing mill.


John Cooper, QC



Metal Industries Limited

Manufacturer-Exporter of Stainless Steel Wires & Bright Bars

Regd. & Corporate Off. : 909, Sakar-III, Near Income Tax, Ahmedabad - 380 014, Gujarat (India)
Phone : +91-79-2754 3681-82-83-84 Fax : +91-79-2754 3085, 2656 8085 Website : www.raajratna.com E-mail : raajratna@raajratna.com

INSPECTION CERTIFICATE as per EN 10204-3.1

Customer : CINCINNATI METALS COMPANY, INC. UNITED STATES.

Type of Material : S. S. WIRE Certificate No. : RMI/SS/3225
Quantity : 11801.400 LBS (45 Coils) Date of Issue : 31.10.2013
PACKED ON CARRIERS NO. 07 to 13 Shipping Mark : RAAJRATNA
CINCINNATI METALS
CRYSTAL LAKE/IL/USA
MADE IN INDIA

Type / Grade : 302HQ Invoice No. : RMI/E/635
Size : 0.114" Date : 31.10.2013
Tolerance : +/-0.001" CMC P. O. No. : 13015
App. Spec. : ASTM A-493/05, ISO A3506-A2, QQS-763F AMS-STD-66/ SAE AIR 4127

The wire supplied as per details given above have been tested and found to satisfy requirements of your order and specification.

TEST RESULTS

CHEMICAL COMPOSITION	%C	%Mn	%Si	%S	%P	%Ni	%Cr	%Cu
	0.015	0.846	0.497	0.0005	0.0234	9.288	17.171	3.085

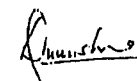
HEAT NO. : RX -9686 Ugitech Heat No. : 327035

MECHANICAL PROPERTIES

Coil No.	Dia Inch	U.T.S KSI	Finish
MIN	0.113"	70	
MAX	0.115"	79	
01.	0.1143"	78.49	COATED

"Country of Melt : France - DFARS Compliant." "Per 252.225-7009"

This material is tested for radioactive elements & no radioactive contamination detected.


Q.A. Department
QR-82711



Works : Bileshwarpura, Ahmedabad - Mehsana Highway, Taluka : Kalol, Dist : Gandhinagar, Pin-382729 Gujarat (India) Phone : +91-2764-233664, 233665 Fax : +91-2764-233663 E-mail : work@raajratna.com
Mumbai Off. : 126, Mittal Court, A-Wing, Nariman Point, Mumbai-400 021, Maharashtra (India) Phone : +91-22-2282 9342 / 44 / 45 / 46 Fax : +91-22-2282 9343 E-mail : mumbai@raajratna.com



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
16	400	EA	CR3523-4-02		87680508	CHERRY AEROSPACE SAN	11815		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15



AEROSPACE
SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA

Order No: SO364320

Page: 1

Order Date: 11/29/11

Print Date: 07/06/12



Sold-To: 10013612

Ship-To: 10042248

S
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O

BE CONSUMABLES MGMT II LTD.
SHOREHAM AIRPORT
SHOREHAM BY SEA
WEST SUSSEX BN43 5FN
ENGLAND

S
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T
O

BE CONSUMABLES MGMT II LTD
C/O DHL GLOBAL FORWARDING
4000 REDONDO BEACH
REDONDO BEACH, CA 90278

Salesperson (s):

Purchase Order: 4500104321

Credit Terms: Net 60
Net 60



Ship Via: DANZAS

FOB: Origin - Collect

Remarks:

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
AIRBUS APPROVAL# 30114

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

Ln	Item Number	Site T Location/Lot/Serial	Qty Open Qty to Ship UM	Promised Shipped
2	CR3523-4-02 Customer Item: ASNA0078E402 MBBN3012M3202 NAS9307M-4-02 B0207005M4-02 CAN43078M4-2 	1600 H0403 87680508 H0703 87679693 I0105 87679924 J0605 87680515 K0404 87680507	 5079.0 4953.0 3232.0 5290.0 5076.0	EA 08/01/12  10 0 0 4 8 9 6 4 2 10 0 0 4 8 9 6 4 3 10 0 0 4 8 9 6 4 4 10 0 0 4 8 9 6 4 5 10 0 0 4 8 9 6 4 6

TEST REPORTS ENCLOSED
DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

Quality Assurance Representative

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Signed

SIM NGUYEN

An ISO9001 and AS9100 registered company. OASIS #6111041606

1000489642

Part Numbers	Rev	Proc. Spec.	Rev
CR3523-4-02		AC PS-CMR-3000	R
** See 2nd Page for the Customer Parts			

Lot I.D. No.:	87680508
Lot Size:	5,500
MFG. Date:	July 05, 2012

ASSEMBLY DATA

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	87646323	A70002	QQ-N-281/MONEL	None	None
Stem	87662840	A70602	AMS5657 / 15-7PH	None	AS5272, Type 1, Moly Disulfide
Collar	00000000	A70719	A-286 / AMS5731	Passivate per AMS2700	None

W.O. #: 5483181

Final Lube: WAX

QUALITY CONFORMANCE/ACCEPTANCE RESULTS


MIN REQ'D SAMPLE SIZE SPECS	INSTALLED SHEAR		TENSION		SPINDLE RETENTION		DISASSEMBLY
	651		400		150		10
	5	N/A	5	N/A	5	N/A	5
	C-N	B	C-N	B	C-N	B	C-N
RESULTS	947		688		226		35
	941		671		243		40
	970		703		239		19
	957		676		239		12
	940		682		236		22

C=CR N=NAS
M=MIL B=BAC
LOAD VALUES
IN POUND

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
20	EXAMINATION	PASS	20	INSTALLATION (Min and Max Grips)	PASS

Comments:

Blind Fastener

Tr. Rev: -	Q Code
Rev. Date: 7/5/2012	V10
Inspector	
J Segura	

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.
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Certified Material Test Report

HEAT/LOT

Load ID. 00084261

M49P5BR11

SOLD TO

Page 1

1000489642

CHERRY AEROSPACE
1224 East Warner Avenue
Santa Ana, CA 92705
USA

SALES ORDER

105212 / 3

Date Printed 03/19/2012

CUSTOMER P.O. PO129881-4	CUSTOMER PART M015.1230	QUANTITY 967.00	PIECES 8	SHIPMENT DATE 03/19/2012
-----------------------------	----------------------------	--------------------	-------------	-----------------------------

PRODUCT: Alloy: M400LC
Diameter: .123"
Length: X Coil M015
Temper: .
Finish: Shaved, Soap Drawn
7044101-123-00-92

CERTIFICATION REQUIREMENTS
M015.123 REV AA, QQ-N281 D CLAS A FORM 7
CHEMISTY ONLY TO: AMS4730G

*As Shipped Properties

TEST	UNITS	RESULTS
*Tensile	ksi	116
*Yield	ksi	56
*Elongation	Percent	46
*Reduction Of Area	Percent	47
*Grain Size	Grain Si	7.5
*Hardness	HRB	100

TEST	RESULT
*Wrap/Bend	Pass

APR 10 2012



A70002

Chemical Analysis %

C	Mn	Fe	S	Si	Cu	Ni	Al	P	Pb	Sn
.01	.86	1.51	.002	.16	32.47	64.89	.03	.007	PPM2.8	PPM4.2
Zn										
4.4PPM										

Specifications

*Melt Source
DFARS COMPLIANT / MELT SOURCE: HUNTINGTON ALLOYS / COUNTRY OF ORIGIN: USA / MFG: USA

Visual and dimensional examination
Satisfactory
Material, when shipped is free from
contamination by mercury, radium,
alpha source, and low melting
point elements.

This is to certify that all required samplings, inspections, operations and tests performed by A-1 Wire Tech, Inc. and its subcontractors are in accordance with the specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and accurate. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the above data are in accordance with the specification requirements. The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under federal statute

Suzanne Mullins

Suzanne Mullins
Quality Assurance Manager

HUNTINGTON ALLOYS CORPORATION
A Special Metals Company

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AS A FELONY UNDER FEDERAL STATUTE.

OTHER DIRECT-NOT ASSIGNABLE TO DI S

HUNTINGTON, WEST VIRGINIA 25705-1771

A-1 WIRE TECH INC 52800 HIGGINS BLVD ELKHART IN 46514	CERTIFIED MATERIAL TEST REPORT		No. 28150	
	HA ORDER NO./ITEM 300024020 1	DATE 02/09/12	PAGE 2	OF 2
	QUANTITY 10964 LBS	INSPECTED BY HA/SMC		
	CHARGE ORDER NO. 32588-1	MARK ORDER NO. 32588-1		
	DESCRIPTION OF MATERIAL SHIPPED MONEL ALLOY 400 .3750 IN COIL	HF ROD - COIL PKL ANN COIL		

THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLING INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS.

REV. 8/08

A-1 WIRE TECH
C/O SMC ACCOUNTS PAYABLE
1401 BURRIS ROAD
NEWTON, NC 28658

A70002



A-1 Wire-r-
M49P5BR11

YIELD STRENGTH WAS DETERMINED USING A STRESS STRAIN CURVE

NO WELDING OR WELD REPAIR WAS PERFORMED.



APR 10 2012

ASME QUALITY SYSTEMS CERTIFICATE QSC-328 EXPIRES 3/25/2014, AND AS APPLICABLE, ASME QUALITY SYSTEMS ANY SUBCONTRACTED WORK ALSO COMPLIES WITH CUSTOMER & ASME SECTION III, NCA 3800 REQUIREMENTS. THIS CERTIFICATION AFFIRMS THAT THE CONTENTS OF THIS REPORT ARE CORRECT AND ACCURATE AND THAT ALL TEST RESULTS AND OPERATIONS PERFORMED BY SPECIAL METALS CORPORATION, INC. OR ITS SUBCONTRACTORS ARE IN COMPLIANCE WITH THE MATERIAL SPECIFICATIONS AND THE SPECIFIC APPLICABLE MATERIAL REQUIREMENTS OF ASME SECTION III.

VISUAL AND DIMENSIONAL EXAMINATION SATISFACTORY. MATERIAL, WHEN SHIPPED, IS FREE FROM CONTAMINATION BY MERCURY, RADIUM, ALPHA SOURCE, & LOW MELTING ELEMENTS.

"CHEMICAL ANALYSIS AS REQUIRED FOR CARBON, SULFUR, NITROGEN OR OXYGEN IS PERFORMED BY COMBUSTION TECHNIQUES. ALL OTHER REPORTED ELEMENTS ARE ANALYZED BY X-RAY AND/OR EMISSION SPECTROSCOPY."

"QUALITY SYSTEM MEETS REQUIREMENTS OF DIRECTIVE 97/23/EC (PRESSURE EQUIPMENT DIRECTIVE), ANNEX 1, CHAPTER 4.3 PER ABS GROUP LTD CERTIFICATE 41734 (EXPIRES JULY 30, 2014)."

HUNTINGTON ALLOYS CORPORATION IS AN ACCREDITED INDEPENDENT NADCAP MATERIALS TESTING LABORATORY VIA CERTIFICATE NUMBER 127805 (EXPIRES APRIL 30, 2013) FOR ALL TESTING SPECIFIED IN THE SCOPE OF ACCREDITATION.

MATERIAL PRODUCED UNDER QA SYSTEM DOCUMENTED IN HUNTINGTON ALLOYS CORP QA MANUAL REV. 49, DATED 2/17/2011

AUTHORIZED QUALITY CERTIFICATION REPRESENTATIVES:
W.E. BOLEN, M.A. MORRISON, D.K. MILLER, J.L. JEFFREY



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

1000489642

- THE RECORDING OF FALSE, FICTICIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

05/23/12

CUSTOMER/BESTELLER/CLIENT

SELLER/VERKÄUFER/VENDEURPAGE 1 OF 2

CHERRY AEROSPACE LLC
PO BOX 2157
1224 E WARNER
SANTA ANA , CA 92707

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING , PA 19601

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
PO131621	LOS664001 L24962	05/23/12	1468.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE : 565484

PRODUCT DESCRIPTION: CARPENTER 15-7 PH ANNEALED COLD FINISH C HDG SC2 STRAND
----- CU/SOAP JIT

SPECIFICATION: CHERRY AEROSPACE M-84 REV AC (06/22/10) EXCPT LTR (07/25/11)
----- PENDING
AMS 5657 REV C (08/ /07) (CHEM ONLY)

SIZE 0.083000 IN. (2.11 MM) RD WIRE

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.08	0.55	0.37	0.015	0.001	15.37
NI (XRF)	MO (XRF)	AL (XRF)	N (FUS)		
7.20	2.14	1.30	0.036		

CAPABLE OF SURFACE FINISH OF 63 RMS MAX

MICRO SURFACE DEFECT - ACCEPTABLE (LOT 2) (COILS 1-9 F & B) (LOT 4) (COILS 1-6 F & B)

HARDNESS AS SHIPPED, HV - 311 (CENTER)
PER ASTM E384 500 GRAM LOAD

(T) RANSVERSE (L) ONGITUDINAL L
YIELD STRENGTH, (0.20 %) KSI(MPA) 116.0 (800)
TENSILE STRENGTH, KSI(MPA) 165.0 (1138)
ELONGATION IN .33", % 34.0

CAST TEST: ACCEPTABLE

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1,
SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.

MAY 25 2012



CONTINUED ON NEXT PAGE

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Date Shipped: 5/25/2012

PO #: VP125694

Qty. Shipped: 36LBS 5-BLACK
MIGS SPOOLS

Radcliff No.: 124673

Heat No.: QL073

Customer: CHERRY AEROSPACE
SANTA ANA OPERATIONS
1224 EAST WARNER AVE
SANTA ANA, CA 92705-5414

Country of Origin: FRANCE

Original Mill Source: USA

Size: .006 X .011 X .056 ***

Material: A286 Stainless Steel

Description: SPECIAL SHAPE M189.44 REV W

Specification: AMS 5731 REV L, AMS 5737 REV P
CHEM ONLY

Notes:

CONSIGNMENT ORDER
PART # M189.44 REV W
DFAR COMPLIANT

Chemical Properties

Al: 0.2%	B: 0.007%	Bi: <0.00002%	C: 0.04%	Co: 0.08%
Cr: 14.79%	Cu: 0.07%	Fe: BAL%	Mn: 1.7%	Mo: 1.25%
Ni: 24.52%	P: 0.015%	Pb: <0.0001%	S: 0.001%	Si: 0.05%
Ti: 2.29%	V: 0.3%			

Tensile:

Rockwell: 105,000 PSI

JUL 06 2012



RADCLIFF WIRE INC.
QL073



A70719

Certs/Material

Lisa Piatek

Certification Clerk

The material as shipped is free from mercury contamination

Usine - Works - Werk
Stainless & Nickel Alloys
58160 IMPHY FRANCE
Téléphone: 03 86 21 30 00
Télécopie: 03 86 21 31 00

10 0 0 4 8 9 6 4 2

Client : CENTRAL W UNION
Customer :
Kunde :
V/Commande :
Your order : 2009005
Ihre Bestell. Nr.:
du : 11.23.10
Of :
Von :
Spécification : D.3.PRS.010.S RE.A 07/01/09
Specification :
Vorschrift :

N/Reference : 292457/01
Our reference :
Unser Auftrag Nr.:

Produit : SY 286 WIRE ROD
Product :
Erzeugnisform :
DIAM/5.5000/MM
SS A286 : MELTING ROUTE EF + VAR
Etat de livraison : SOFT ANN/PICKL.
Condition of delivery :
Lieferzustand :
N° de fabric. : 4100233762
Manufact. Nr :
Fabrik. Nr :
Poids : 3591.290 LB
Weight :
Gewicht :
Nombre : 4 PI
Part Nb :
Stückzahl :

Repère : Ø(.217")
Marking :
Markierung :

COMPOSITION CHIMIQUE (% poids) CHEMICAL COMPOSITION (% weight) CHEMISCHE ZUSAMMENSETZUNG (% Gewicht)										Coulée N° : QL073/12 Heat Nr Schmelze Nr	
C	Mn	Si	S	P	Ni	Cr	Mo	Cu	Co		
.04	1.70	.05	.001	.015	24.52	14.79	1.25	.07	.08		
V	Al	Ti	Pb	Bi	B	Fe					
.30	.20	2.29	< .0001	< .00002	.007	bal.					

CARACTERISTIQUES MECANQUES ET AUTRES ESSAIS / TESTS RESULTS

ETAT DE LIVRAISON
CONDITION OF DELIVERY

RESISTANCE TENSILE STRENGTH..... : 617 MPA 89,488 psi
GRAIN ASTM SIZE ASTM..... : 6 ASTM

HYPERTREMPE 980°1H EAU+VIEILLISSEMENT 720°16H AIR
HEAT TREATMENT OF SPECIMEN 1800°1H WATER+1325°F 16H AIR

LIMITE ELASTIQUE. YIELD STRENGTH 0.2% : 691 MPA
RESISTANCE TENSILE STRENGTH..... : 1078 MPA
ALLONGEMENT ELONGATION SUR 40..... : 25.0 %
STRICTION RED. OF AREA..... : 56.0 %
DURETE HB HARDNESS..... : 292 HB

FLUAGE

STRESS RUPTURE TEST AT 1200°F (649°C)
UNDER 70.000 PSI (483MPA)

DUREE DE VIE..... TIME..... 136.7 H

JUL 0 6 2012



RAOULFF WIRE INC.
QL073



A70719

QUALITY CONTROL

DUPUIS G.

Signature :
Signature :
Unterschrift :

11.29.10
Imphy plant

Voir page suivante

10 0 0 4 8 9 6 4 2
 Client
 Customer
 Kunde : CENTRAL W UNION

 V/Commande
 Your order
 Ihre Bestell. Nr : 2009005

 du
 Of : 11.23.10
 Van

 Spécification
 Specification
 Vorschrift : D.3.PRS.010.S RE.A 07/01/09

 N/Référence
 Our reference
 Unser Auftrag Nr. : 292457/01

ALLONGEMENT..... ELONGATION..... 16.0 %

ETAT HYPERTREMPE 900° + VIEILLISSEMENT 720°16H AIR

HEAT TREATMENT OF TEST SPECIMEN 1650°F 1H WATER+1325°F16H AIR

LIMITE ELASTIQUE.....	YIELD STRENGTH 0.2%.....	744 MPA
RESISTANCE.....	TENSILE STRENGTH.....	1102 MPA
ALLONGEMENT.....	ELONGATION SUR 4D.....	19.0 %
STRICTION.....	RED. OF AREA.....	58.0 %
DURETE HB.....	HARDNESS.....	318 HB

FLUAGE

STRESS RUPTURE TEST AT 1200°F (649°C)

UNDER 65,000 PSI (448MPa)

DUREE DE VIE..... TIME..... : 158.9 H

ALLONGEMENT..... ELONGATION..... : 20.4 %

NO WELDING WITH FILLER METAL HAS BEEN PERFORMED
 STRESS RUPTURE AND AGE HARDENING AND CHEMISTRY TO MEET
 LATEST ISSUE OF AMS 5731L, AMS 5732J, 5734K AND 5737P
 ARCELORMITTAL SNA CERTIFIES THAT THIS MATERIAL HAS BEEN
 MELTED/PRODUCED IN FRANCE, QUALIFYING COUNTRY, AS REQUIRED BY
 DFARS 252.225-7014
 MATERIAL IS FREE FROM MERCURY, RADIUM, OR ALPHA SOURCE
 CONTAMINATION
 THE WILLFUL RECORDING OF FALSE OR FRAUDULENT STATEMENTS ON THIS
 DOCUMENT MAY RESULT IN PUNISHMENT AS A FELONY UNDER FEDERAL
 STATUTES

JUL 06 2012


 RADCLIFF WIRE, INC.-J
 Q1073


A70719

GRIN, ON
DUMAS, AR
LANCASTER, SC

519-833-9832 FAX 519-833-2213
870-382-2980 FAX 870-382-6988
803-283-3353 FAX 803-283-6303



FOND DU LAC, WI
UNION, IL
PERRIS, CA

920-928-0609 FAX 920-928-0652
815-923-2131 FAX 815-923-2126
951-657-2105 FAX 951-943-6081

THE LEADING MANUFACTURER OF STAINLESS STEEL AND NICKEL ALLOY WIRE PRODUCTS
EXECUTIVE OFFICES: PERTH, ON CANADA - EMAIL: sales@centralwire.com

CENTRAL WIRE
6509 OLSON ROAD
TEL: 815-923-2131

UNION, IL 60180-9730
FAX: 815-923-2126

CERTIFICATE OF CONFORMANCE

SOLD
TO

RADCLIFF WIRE INC.
P. O. BOX 603
BRISTOL

CT 06011-0603

USA

SHIP
TO

RADCLIFF WIRE INC
97 RONZO ROAD
BRISTOL

CT 06011-0603

USA

1000489642

CUSTOMER'S PO NO.	TYPE OF CERT	CUSTOMER	ORDER NO.	WORK ORDER	DATE SHIPPED
45088	Customer	124610	1172917 2	4133115	4/30/12

SPECIFICATIONS:

ITEM DESCRIPTION

DESCRIPTION	SPEC. CLASS	HEAT
Forming A286SF SKIN PASSED Bright .0300 200LB.Plus Clean	Melt mill Arcelor Mittal Country of origin France	QL073
	QTY SHIP 367	044

CHEMICAL ANALYSIS

C .04	MN 1.70	SI .05	P .015	S .001	CR 14.79	NI 24.52
MO 1.25	CU .07	CO .08	AL .20	TI 2.29	FE Balance	B .007
V .30	BI < .00002	PB < .0001				

MECHANICAL PROPERTIES

AS SHIPPED PROPERTIES:

TENSILE 117.000 KSI MIN	TENSILE 122.000 KSI MAX					
-------------------------------	-------------------------------	--	--	--	--	--

AFTER HEAT TREAT PROPERTIES:

--	--	--	--	--	--	--

"PASSIVATED IN PROCESS"

JUL 06 2012



RADCLIFF WIRE, INC.
QL073



A70719

The material as shipped is free from mercury contamination. I certify the chemical analysis and physical and mechanical test results reported above are correct as contained in the records of the company.

Very truly yours,

AUTHORIZED SIGNATURE



CERIAL# 000826299

CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

1000489642

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05/23/12

CUSTOMER/BESTELLER/CLIENT

SELLER/VERKÄUFER/VEHDEURPAGE 2 OF 2

CHERRY AEROSPACE LLC
PO BOX 2157
1224 E WARNER
SANTA ANA , CA 92707

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING , PA 19601

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
PO131621	LOS664001 L24962	05/23/12	1468.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :

565484

THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO
THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE
REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH
3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE
IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS,
AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER
ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

SHERRY L KREIDER
ADMINISTRATOR - QUALITY
CARPENTER TECHNOLOGY CORPORATION

MAY 25 2012



A70602

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HUNTINGTON ALLOYS CORPORATION

A Special Metals Company

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OTHER DIRECT-NOT ASSIGNABLE TO DI S

HUNTINGTON, WEST VIRGINIA 26705-1771

A-1 WIRE TECH INC
52800 HIGGINS BLVD
ELKHART IN 46514

CERTIFIED MATERIAL TEST REPORT

No. 28150

HA ORDER NO./ITEM

300024020 1

DATE

02/09/12

PAGE

OF

1

2

QUANTITY

10964 LBS

INSPECTED BY

HA/SMC

CHARGE ORDER NO.

32588-1

MARK ORDER NO.

32588-1

DESCRIPTION
OF MATERIAL
SHIPPED

MONEL ALLOY 400

HR ROD - COIL PKL ANN

.3750 IN COIL

COIL

THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLING INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS.

REV. 808

A-1 WIRE TECH
C/O SMC ACCOUNTS PAYABLE
1401 BURRIS ROAD
NEWTON, NC 28658

*****THIS REPORT RELATES ONLY TO THE ITEM(S) TESTED AND MAY NOT BE REPRODUCED EXCEPT IN FULL.*****

SPECIFICATIONS: US FED QQ-N-281D AM 2 CL A CHEM ONLY\
ASTM B 164-03 (2008) CHEM ONLY\
ASME SB-164 2010 EDITION 11 ADDENDA CHEM ONLY\
SAE AMS 4730F CHEM ONLY\NACE MR0175-ISO 15156-3 (2009)\
GE S-400 (10-10-2008)\GE S-1000 (3-2-2010)\
ASME SECTION III 2010 EDITION 11 ADDENDA NCA-3800\
A-1 M400LC MOD FOR CUST 295-01 REV 4-11-08\
QUALITY SYSTEM CERTIFICATION: ISO 9001:2008 (ABS-QE CERT. 30125);
EN 10 204/DIN 50049 (TYPE 3.1)

UNS:N04400

CHEMICAL ANALYSIS (WT. %)

HEAT#	C PB/PPM	MN SN/PPM	FE ZN/PPM	S	SI	CU	NI	AL	P
M49P5BR	0.01 2.8	0.86 4.2	1.51 4.4	0.002	0.16	32.47	64.89	0.03	0.007

COUNTRY OF ORIGIN: MELTED AND MANUFACTURED IN THE USA
THE % OF NICKEL INCLUDES A SMALL AMOUNT OF COBALT
TO CONVERT PPM TO WT.%, MOVE DECIMAL POINT FOUR PLACES TO THE LEFT.
MELT METHOD: AIM

APR 10 2012



A-1 Wire
M49P5BR11



A70002

MECHANICAL PROPERTIES

HEAT/LOT	QUANTITY	HARD NESS	GRAIN SIZE	YIELD .2XPSI	TENSILE PSI	ELC X	R/A F	DEG
M49P5BR 11	14 PCS							
ROOM TEMP-HRB	-AS SHIPPED ***	54.1		0239	0674	57.6	81.4	
GRAIN SIZE-AS SHIPPED AGS ASTM NO.			5.5					
NORMAL - TRAN								
*** TENSILE SPECIMEN GAUGE LENGTH	- 01.500							



Certified Material Test Report

HEAT/LOT

Load ID. 00084261

1000489642M49P5BR11

SOLD TO

Page 2

CHERRY AEROSPACE
1224 East Warner Avenue
Santa Ana, CA 92705
USA

SALES ORDER
105212 / 3

Date Printed 03/19/2012

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	PIECES	SHIPMENT DATE
PO129881-4	M015.1230	967.00	8	03/19/2012

PRODUCT: Alloy: M400LC
Diameter: .123"
Length: X Coil M015
Temper.:
Finish: Snaved, Soap Drawn
7044101-123-00-92

End of Certification



APR 10 2012

A-1 Wire
M49P5BR11



A70002

Visual and dimensional examination
Satisfactory
Material, when shipped is free from
contamination by mercury, radium,
alpha source, and low melting
point elements.

This is to certify that all required samplings, inspections, operations and tests performed by A-1 Wire Tech, Inc. and its subcontractors are in accordance with the specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and accurate. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the above data are in accordance with the specification requirements. The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under federal statute.

Suzanne Mullins
Quality Assurance Manager



CHERRY AEROSPACE
SAS Partner Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Lot I.D. No.:	87680508
Rev:	-

Customer Parts List

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
ASNA0078E402	P	NAS1687	2
ASNA0078E402	P	PS-CMR-3000	R
B0207005M4-02	E	NAS1687	2
B0207005M4-02	E	PS-CMR-3000	R
CAN43078M4-2	8	NAS1687	2
CAN43078M4-2	8	PS-CMR-3000	R
MBBN3012M3202	01/06	MBBN3015	12/03
NAS9307M-4-02	4	NAS1687	2

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.

*** Ref: M7885/4-4-02



AEROSPACE
SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA

Order No: SO364320 Page: 1
Order Date: 11/29/11
Print Date: 07/06/12



Sold-To: 10013612

Ship-To: 10042248

S
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BE CONSUMABLES MGMT II LTD.
SHOREHAM AIRPORT
SHOREHAM BY SEA
WEST SUSSEX BN43 5FN
ENGLAND

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O

BE CONSUMABLES MGMT II LTD
C/O DHL GLOBAL FORWARDING
4000 REDONDO BEACH
REDONDO BEACH, CA 90278

Salesperson (s):

Purchase Order: 4500104321

Credit Terms: Net 60
Net 60

Ship Via: DANZAS
FOB: Origin - Collect

Remarks:

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
AIRBUS APPROVAL# 30114

FASTENERS ECCN: 9A991d SCHEDULE B# 8803300010

Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped	
2	CR3523-4-02	1600				EA	08/01/12
	Customer Item: ASNA0078E402						
	MBBN3012M3202						
	NAS9307M-4-02						
	B0207005M4-02						
	CAN43078M4-2						
		H0403	87680508	5079.0			10 0 0 4 8 9 6 4 2
		H0703	87679693	4953.0			10 0 0 4 8 9 6 4 3
		I0105	87679924	3232.0			10 0 0 4 8 9 6 4 4
		J0605	87680515	5290.0			10 0 0 4 8 9 6 4 5
		K0404	87680507	5076.0			10 0 0 4 8 9 6 4 6

TEST REPORTS ENCLOSED
DO NOT DESTROY

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

Quality Assurance Representative

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Signed

SIM NGUYEN

An ISO9001 and AS9100 registered company. OASIS #6111041606

1000489642

Part Numbers	Rev	Proc. Spec.	Rev
CR3523-4-02		AC PS-CMR-3000	R
** See 2nd Page for the Customer Parts			
Lot I.D. No.:		87680508	
Lot Size:		5,500	
MFG. Date:		July 05, 2012	

ASSEMBLY DATA

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	87646323	A70002	QQ-N-281/MONEL	None	None
Stem	87662840	A70602	AMS5657 / 15-7PH	None	AS5272, Type 1, Moly Disulfide
Collar	00000000	A70719	A-286 / AMS5731	Passivate per AMS2700	None

W.O. #: 5483181

Final Lube: WAX

QUALITY CONFORMANCE/ACCEPTANCE RESULTS


MIN REQ'D SAMPLE SIZE SPECS	INSTALLED SHEAR		TENSION		SPINDLE RETENTION		DISASSEMBLY
	651		400		150		10
	5	N/A	5	N/A	5	N/A	5
	C-N	B	C-N	B	C-N	B	C-N
RESULTS	947		688		226		35
	941		671		243		40
	970		703		239		19
	957		676		239		12
	940		682		236		22

C=CR N=NAS
M=MIL B=BAC
LOAD VALUES
IN POUND

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
20	EXAMINATION	PASS	20	INSTALLATION (Min and Max Grips)	PASS

Comments:

Blind Fastener

Tr. Rev: -	Q Code
Rev. Date: 7/5/2012	V10
Inspector J Segura	

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

Certified Material Test Report

HEAT/LOT

Load ID. 00084261

M49P5BR11

SOLD TO

Page 1

1000489642

CHERRY AEROSPACE
1224 East Warner Avenue
Santa Ana, CA 92705
USA

SALES ORDER

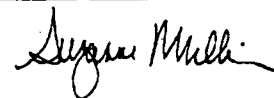
105212 / 3

Date Printed 03/19/2012

CUSTOMER P.O. PO129881-4	CUSTOMER PART M015.1230	QUANTITY 967.00	PIECES 8	SHIPMENT DATE 03/19/2012						
PRODUCT: Alloy: M400LC Diameter: .123" Length: X Coil M015 Temper.: Finish: Shaved, Soap Drawn 7044101-123-00-92										
CERTIFICATION REQUIREMENTS M015.123 REV AA, QQ-N281 D CLAS A FORM 7 CHEMISTY ONLY TO: AMS4730G										
*As Shipped Properties										
TEST	UNITS	RESULTS								
*Tensile	ksi	116								
*Yield	ksi	56								
*Elongation	Percent	46								
*Reduction Of Area	Percent	47								
*Grain Size	Grain Si	7.5								
*Hardness	HRB	100								
TEST	RESULT									
*Wrap/Bend	Pass									
Chemical Analysis %										
C	Mn	Fe	S	Si	Cu	Ni	Al	P	Pb	Sn
.01	.86	1.51	.002	.16	32.47	64.89	.03	.007	PPM2.8	PPM4.2
Zn										
4.4PPM										
Specifications										
*Melt Source DFARS COMPLIANT / MELT SOURCE: HUNTINGTON ALLOYS / COUNTRY OF ORIGIN: USA / MFG: USA										

Visual and dimensional examination
Satisfactory
Material, when shipped is free from
contamination by mercury, radium,
alpha source, and low melting
point elements.

This is to certify that all required samplings, inspections, operations and tests performed by A-1 Wire Tech, Inc. and its subcontractors are in accordance with the specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and accurate. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the above data are in accordance with the specification requirements. The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under federal statute



Suzanne Mullins
Quality Assurance Manager



APR 10 2012

HUNTINGTON ALLOYS CORPORATION
A Special Metals Company

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT
STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE
AS A FELONY UNDER FEDERAL STATUTE.

OTHER DIRECT-NOT ASSIGNABLE TO DI S

HUNTINGTON, WEST VIRGINIA 25705-1771

A-1 WIRE TECH INC 52800 HIGGINS BLVD ELKHART IN 46514	CERTIFIED MATERIAL TEST REPORT		No.	28150
	HA ORDER NO./ITEM 300024020 1	DATE 02/09/12	PAGE 2	OF 2
A-1 WIRE TECH C/O SMC ACCOUNTS PAYABLE 1401 BURRIS ROAD NEWTON, NC 28658	QUANTITY 10964 LBS	INSPECTED BY HA/SMC		
	CHARGE ORDER NO. 32588-1	MARK ORDER NO. 32588-1		
	DESCRIPTION OF MATERIAL SHIPPED MONEL ALLOY 400 HR ROD - COIL PXL ANN .3750 IN COIL COIL			

THIS IS TO CERTIFY THAT ALL REQUIRED SAMPLINGS INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPORT REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL FURNISHED AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS.

REV. 808

A70002



A-1 Wire-r-
M49P5BR11

YIELD STRENGTH WAS DETERMINED USING A STRESS STRAIN CURVE

NO WELDING OR WELD REPAIR WAS PERFORMED.



APR 10 2012

ASME QUALITY SYSTEMS CERTIFICATE QSC-328 EXPIRES 3/25/2014, AND AS APPLICABLE, ASME QUALITY SYSTEMS ANY SUBCONTRACTED WORK ALSO COMPLIES WITH CUSTOMER & ASME SECTION III, NCA 3800 REQUIREMENTS. THIS CERTIFICATION AFFIRMS THAT THE CONTENTS OF THIS REPORT ARE CORRECT AND ACCURATE AND THAT ALL TEST RESULTS AND OPERATIONS PERFORMED BY SPECIAL METALS CORPORATION, INC. OR ITS SUBCONTRACTORS ARE IN COMPLIANCE WITH THE MATERIAL SPECIFICATIONS AND THE SPECIFIC APPLICABLE MATERIAL REQUIREMENTS OF ASME SECTION III.

VISUAL AND DIMENSIONAL EXAMINATION SATISFACTORY. MATERIAL, WHEN SHIPPED, IS FREE FROM CONTAMINATION BY MERCURY, RADIUM, ALPHA SOURCE, & LOW MELTING ELEMENTS.

"CHEMICAL ANALYSIS AS REQUIRED FOR CARBON, SULFUR, NITROGEN OR OXYGEN IS PERFORMED BY COMBUSTION TECHNIQUES. ALL OTHER REPORTED ELEMENTS ARE ANALYZED BY X-RAY AND/OR EMISSION SPECTROSCOPY."

"QUALITY SYSTEM MEETS REQUIREMENTS OF DIRECTIVE 97/23/EC (PRESSURE EQUIPMENT DIRECTIVE), ANNEX 1, CHAPTER 4.3 PER ABS GROUP LTD CERTIFICATE 41734 (EXPIRES JULY 30, 2014)."

HUNTINGTON ALLOYS CORPORATION IS AN ACCREDITED INDEPENDENT NADCAP MATERIALS TESTING LABORATORY VIA CERTIFICATE NUMBER 127805 (EXPIRES APRIL 30, 2013) FOR ALL TESTING SPECIFIED IN THE SCOPE OF ACCREDITATION.

MATERIAL PRODUCED UNDER QA SYSTEM DOCUMENTED IN HUNTINGTON ALLOYS CORP QA MANUAL REV. 49, DATED 2/17/2011

AUTHORIZED QUALITY CERTIFICATION REPRESENTATIVES :
W.E. BOLEN, M.A. MORRISON, D.K. MILLER, J.L. JEFFREY



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

1000489642

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

05/23/12

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR PAGE 1 OF 2

CHERRY AEROSPACE LLC
PO BOX 2157
1224 E WARNER
SANTA ANA, CA 92707

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING, PA 19601

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
PO131621	LOS664001 L24962	05/23/12	1468.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 565484

PRODUCT DESCRIPTION: CARPENTER 15-7 PH ANNEALED COLD FINISH C HDG SC2 STRAND
----- CU/SOAP JIT

SPECIFICATION: CHERRY AEROSPACE M-84 REV AC (06/22/10) EXCPT LTR (07/25/11)
----- PENDING
AMS 5657 REV C (08/ /07) (CHEM ONLY)

SIZE 0.083000 IN. (2.11 MM) RD WIRE

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.08	0.55	0.37	0.015	0.001	15.37
NI (XRF)	MO (XRF)	AL (XRF)	N (FUS)		
7.20	2.14	1.30	0.036		

CAPABLE OF SURFACE FINISH OF 63 RMS MAX

MICRO SURFACE DEFECT - ACCEPTABLE (LOT 2) (COILS 1-9 F & B) (LOT 4) (COILS 1-6 F & B)

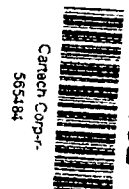
HARDNESS AS SHIPPED, HV - 311 (CENTER)
PER ASTM E384 500 GRAM LOAD

(T) RANSVERSE (L) ONGITUDINAL L
YIELD STRENGTH, (0.20 %) KSI (MPA) 116.0 (800)
TENSILE STRENGTH, KSI (MPA) 165.0 (1138)
ELONGATION IN .33", % 34.0

CAST TEST: ACCEPTABLE

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 252.872.1,
SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.

MAY 25 2012



CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

Date Shipped: 5/25/2012

PO #: VP125694

Qty. Shipped: 36LBS 5-BLACK
MIGS SPOOLS

Radcliff No.: 124673

Heat No.: QL073

Customer: CHERRY AEROSPACE
SANTA ANA OPERATIONS
1224 EAST WARNER AVE
SANTA ANA, CA 92705-5414

Country of Origin: FRANCE

Original Mill Source: USA

Size: .006 X .011 X .056 ***

Material: A286 Stainless Steel

Description: SPECIAL SHAPE M189.44 REV W

Specification: AMS 5731 REV L, AMS 5737 REV P
CHEM ONLY

Notes:

CONSIGNMENT ORDER
PART # M189.44 REV W
DFAR COMPLIANT

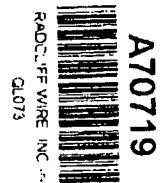
Chemical Properties

Al: 0.2%	B: 0.007%	Bi: <0.00002%	C: 0.04%	Co: 0.08%
Cr: 14.79%	Cu: 0.07%	Fe: BAL%	Mn: 1.7%	Mo: 1.25%
Ni: 24.52%	P: 0.015%	Pb: <0.0001%	S: 0.001%	Si: 0.05%
Ti: 2.29%	V: 0.3%			

Tensile:

Rockwell: 105,000 PSI

JUL 06 2012



Certs/Material

Lisa Piatek

Certification Clerk

The material as shipped is free from mercury contamination

Usine - Works - Werk
Stainless & Nickel Alloys
58160 IMPHY FRANCE
Téléphone: 03 86 21 30 00
Télécopie: 03 86 21 31 00

10 0 0 4 8 9 6 4 2

Client
Customer
Kunde : CENTRAL W UNION

V/Commande
Your order
Ihre Bestell. Nr : 2009005

du
Of : 11.23.10

Spécification
Specification
Vorschrift : D.3.PRS.010.S RE.A 07/01/09

N/Référence
Our reference
Unser Auftrag Nr. : 292457/01

Produit
Product
Erzeugnisform : SY 286 WIRE ROD
DIAM/5.5000/MM
SS A286 : MELTING ROUTE EF + VAR

Etat de livraison
Condition of delivery:
Lieferzustand : SOFT ANN/PICKL.

N° de fabric.
Manufact. Nr
Fabrik. Nr : 4100233762

Poids
Weight
Gewicht : 3591.290 LB

Nombre
Part. Nb
Stückzahl : 4 PI

Repère
Marking
Markierung : Ø(.217")

COMPOSITION CHIMIQUE (\$ poids) CHEMICAL COMPOSITION (\$ weight) CHEMISCHE ZUSAMMENSETZUNG (\$ Gewicht)										Coulée N° : QL073/12 Heat Nr Schmelze Nr	
C	Mn	Si	S	P	Ni	Cr	Mo	Cu	Co		
.04	1.70	.05	.001	.015	24.52	14.79	1.25	.07	.08		
V	Al	Ti	Pb	Bi	B	Fe					
.30	.20	2.29	< .0001	< .00002	.007	bal.					

CARACTERISTIQUES MECANQUES ET AUTRES ESSAIS / TESTS RESULTS

ETAT DE LIVRAISON
CONDITION OF DELIVERY

RESISTANCE TENSILE STRENGTH..... : 617 MPA 89,488 psi
GRAIN ASTM SIZE ASTM..... : 6 ASTM

HYPERTREMPE 980°1H EAU+VIEILLISSEMENT 720°16H AIR
HEAT TREATMENT OF SPECIMEN 1800°F1H WATER+1325°F 16H AIR

LIMITE ELASTIQUE. YIELD STRENGTH 0.2%... : 691 MPA
RESISTANCE TENSILE STRENGTH..... : 1078 MPA
ALLONGEMENT ELONGATION SUR 40..... : 25.0 %
STRICTION RED. OF AREA..... : 56.0 %
DURETE HB..... HARDNESS..... : 292 HB

FLUAGE

STRESS RUPTURE TEST AT 1200°F (649°C)
UNDER 70.000 PSI(483MPA)

DUREE DE VIE..... TIME..... 136.7 H

JUL 0 6 2012



RAOCLFF WIRE INC
QL073



470719

QUALITY CONTROL

DUPUIS G.

Signature
Signature :
Unterschrift

11.29.10
Imphy plant

Voir page suivante.

PAGE N°: 1

10 0 0 4 8 9 6 4 2

Client
Customer
Kunde : CENTRAL W UNIONV/Comande
Your order
Ihre Bestell. Nr : 2009005du
Of : 11.23.10
vonSpécification
Specification
Vorschrift : D.3.PRS.010.S RE.A 07/01/09N/Référence
Our reference
Unser Auftrag Nr. : 292457/01

ALLONGEMENT..... ELONGATION..... 16.0 %

ETAT HYPERTREMPE 900° + VIEILLISSEMENT 720°16H AIR

HEAT TREATMENT OF TEST SPECIMEN 1650°F 1H WATER+1325°F16H AIR

LIMITE ELASTIQUE.	YIELD STRENGTH 0.2%	: 744 MPA
RESISTANCE.....	TENSILE STRENGTH.....	: 1102 MPA
ALLONGEMENT.....	ELONGATION SUR 4D.....	: 19.0 %
STRICTION.....	RED. OF AREA.....	: 58.0 %
DURETE HB.....	HARDNESS.....	: 318 HB

FLUAGE

STRESS RUPTURE TEST AT 1200°F (649°C)

UNDER 65,000 PSI (448MPA)

DUREE DE VIE.....	TIME.....	: 158.9 H
ALLONGEMENT.....	ELONGATION.....	: 20.4 %

NO WELDING WITH FILLER METAL HAS BEEN PERFORMED
STRESS RUPTURE AND AGE HARDENING AND CHEMISTRY TO MEET
LATEST ISSUE OF AMS 5731L, AMS 5732J, 5734K AND 5737P
ARCELORMITTAL SNA CERTIFIES THAT THIS MATERIAL HAS BEEN
MELTED/PRODUCED IN FRANCE, QUALIFYING COUNTRY, AS REQUIRED BY
DFARS 252.225-7014
MATERIAL IS FREE FROM MERCURY, RADIUM, OR ALPHA SOURCE
CONTAMINATION
THE WILLFUL RECORDING OF FALSE OR FRAUDULENT STATEMENTS ON THIS
DOCUMENT MAY RESULT IN PUNISHMENT AS A FELONY UNDER FEDERAL
STATUTES.

JUL 06 2012



ERIN, ON
DUMAS, AR
LANCASTER, SC

519-833-9832 FAX 519-833-2213
870-382-2980 FAX 870-382-6988
803-283-3353 FAX 803-283-6303



FOND DU LAC, WI
UNION, IL
PERRIS, CA

920-926-0609 FAX 920-926-0652
815-923-2131 FAX 815-923-2126
951-657-2105 FAX 951-943-6081

THE LEADING MANUFACTURER OF STAINLESS STEEL AND NICKEL ALLOY WIRE PRODUCTS
EXECUTIVE OFFICES: PERTH, ON CANADA - EMAIL: sales@centralwire.com

CENTRAL WIRE
6509 OLSON ROAD
TEL: 815-923-2131

UNION, IL 60180-9730
FAX: 815-923-2126

CERTIFICATE OF CONFORMANCE

SOLD
TO

RADCLIFF WIRE INC.
P. O. BOX 603
BRISTOL

CT 06011-0603

USA

SHIP
TO

RADCLIFF WIRE INC
97 RONZO ROAD
BRISTOL

CT 06011-0603

USA

1000489642

CUSTOMER'S PO NO.	TYPE OF CERT	CUSTOMER	ORDER NO.	WORK ORDER	DATE SHIPPED
45088	Customer	124610	1172917 2	4133115	4/30/12

SPECIFICATIONS:

ITEM DESCRIPTION

DESCRIPTION	SPEC. CLASS	HEAT
Forming A286SF SKIN PASSED Bright .0300 200LB.Plus Clean	Melt mill Arcelor Mittal Country of origin France	QL073
	QTY SHIP 367	044

CHEMICAL ANALYSIS

C .04	MN 1.70	SI .05	P .015	S .001	CR 14.79	NI 24.52
MO 1.25	CU .07	CO .08	AL .20	TI 2.29	FE Balance	B .007
V .30	BI < .00002	PB < .0001				

MECHANICAL PROPERTIES

AS SHIPPED PROPERTIES:

TENSILE 117.000 KSI MIN	TENSILE 122.000 KSI MAX					
-------------------------------	-------------------------------	--	--	--	--	--

AFTER HEAT TREAT PROPERTIES:

--	--	--	--	--	--	--

"PASSIVATED IN PROCESS"

JUL 06 2012



A70719

The material as shipped is free from mercury contamination. I certify the chemical analysis and physical and mechanical test results reported above are correct as contained in the records of the company.

Very truly yours,

David Mung
AUTHORIZED SIGNATURE



CERIAL# 000826299

CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

1000489642

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

05/23/12

CUSTOMER/BESTELLER/CLIENT

SELLER/VERKÄUFER/VENDEURPAGE 2 OF 2

CHERRY AEROSPACE LLC
PO BOX 2157
1224 E WARNER
SANTA ANA , CA 92707

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET
READING , PA 19601

CUSTOMER ORDER NO./BESTELL.-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
PO131621	LOS664001 L24962	05/23/12	1468.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :

565484

THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO
THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE
REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH
3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE
IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS,
AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER
ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

SHERRY L KREIDER
ADMINISTRATOR - QUALITY
CARPENTER TECHNOLOGY CORPORATION

MAY 25 2012



A70602

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

NOTE: THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTE.

HUNTINGTON, WEST VIRGINIA 25705-1771

THIS IS TO CERTIFY THAT ALL REQUIRED INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH THE ORDER AND SPECIFICATION REQUIREMENTS. THE TEST REPRESENTS THE ACTUAL ATTRIBUTES OF THE MATERIAL. THE RESULTS AND THE VALUES SHOWN ARE CORRECT AND TRUE. THE MATERIAL DESCRIBED BY THIS CERTIFICATE IS IN FULL COMPLIANCE WITH ALL ORDER AND INSPECTION REQUIREMENTS. WE HEREBY CERTIFY THAT THE BELOW FIGURES ARE IN ACCORDANCE WITH THE SPECIFIED CONTRACT REQUIREMENTS.

SPECIFICATIONS: US FED QQ-N-281D AM 2 CL A CHEM ONLY\
ASTM B 164-03 (2008) CHEM ONLY\
ASME SB-164 2010 EDITION 11 ADDENDA CHEM ONLY\
SAE AMS 4730F CHEM ONLY\NACE MR0175-ISO 15156-3 (2009)\
GE S-400 (10-10-2008)\GE S-1000 (3-2-2010)\
ASME SECTION III 2010 EDITION 11 ADDENDA NCA-3800\
A-1 M400LC MOD FOR CUST 295-01 REV 4-11-08.\
QUALITY SYSTEM CERTIFICATION: ISO 9001:2008 (ABS-QE CERT. 30125);
EN 10 204/DIN 50049 (TYPE 3.1)

UNS: NO4400

HEAT#	CHEMICAL ANALYSIS (WT. %)								
	C PB/PPH	MN SN/PPH	FE ZN/PPH	S	SI	CU	NI	AL	P
M49PSBR	0.01	0.86	1.51	0.002	0.16	32.47	64.89	0.03	0.007
	2.8	4.2	4.4						

COUNTRY OF ORIGIN: MELTED AND MANUFACTURED IN THE USA
THE % OF NICKEL INCLUDES A SMALL AMOUNT OF COBALT
TO CONVERT PPM TO WT.%, MOVE DECIMAL POINT FOUR PLACES TO THE LEFT.
MELT METHOD: AIM

APR 10 2012



MAGP5BR1

A70002

		MECHANICAL PROPERTIES						
HEAT/LOT	QUANTITY	HARD NESS	GRAIN SIZE	YIELD .2XPSI	TENSILE PSI	YELC X	R/A X	DEG F
M49PSBR 11	14 PCS							
ROOM TEMP-HRB	-AS SHIPPED ***	54.1		0239	0674	57.6	81.4	
GRAIN SIZE-AS SHIPPED	AGS ASTM NO.		5.5					
NORMAL - TRAN								
*** TENSILE SPECIMEN GAUGE LENGTH - 01.500								

**Certified Material Test Report****HEAT/LOT**

Load ID: 00084261

1000489642 M49P5BR11

SOLD TO

Page 2

CHERRY AEROSPACE
1224 East Warner Avenue
Santa Ana, CA 92705
USA

SALES ORDER
105212 / 3

Date Printed 03/19/2012

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	PIECES	SHIPMENT DATE
PO129881-4	M015.1230	967.00	8	03/19/2012

PRODUCT: Alloy: M400LC
Diameter: .123"
Length: X Coil M015
Temper: .
Finish: Snaved, Soap Drawn
7044101-123-00-92

End of Certification


APR 10 2012A-1 Wire
M49P5BR11**A70002**

Visual and dimensional examination
Satisfactory
Material, when shipped is free from
contamination by mercury, cadmium,
alpha source, and low melting
point elements.

This is to certify that all required samplings, inspections, operations and tests performed by A-1 Wire Tech, Inc. and its subcontractors are in accordance with the specification requirements. The test report represents the actual attributes of the material furnished and the values shown are correct and accurate. The material described by this certificate is in full compliance with all order and inspection requirements. We hereby certify that the above data are in accordance with the specification requirements. The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under federal statute.

Suzanne Mullins
Quality Assurance Manager



CHERRY AEROSPACE
SPS Industries Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Lot I.D. No.:	87680508
Rev:	-

Customer Parts List

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
ASNA0078E402	P	NAS1687	2
ASNA0078E402	P	PS-CMR-3000	R
B0207005M4-02	E	NAS1687	2
B0207005M4-02	E	PS-CMR-3000	R
CAN43078M4-2	8	NAS1687	2
CAN43078M4-2	8	PS-CMR-3000	R
MBBN3012M3202	01/06	MBBN3015	12/03
NAS9307M-4-02	4	NAS1687	2

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.

*** Ref: M7885/4-4-02



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LIN#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
14	200	EA	MS20601AD4W8		86737839	CHERRY AEROSPACE SAN	11815		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15


CHERRY®
AEROSPACE

SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA
**PACKING LIST**

Order No: SO301082

Page: 1

Order Date: 12/18/06

Print Date: 07/11/07



Sold-To: 10015341

Ship-To: 19000244

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O
M&M AEROSPACE HARDWARE
PO BOX 025263
MIAMI, FL 33102-5263
USA
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O
M&M AEROSPACE HARDWARE
10000 N.W. 15TH TERRACE
MIAMI, FL 33172
USA

Salesperson (s):110

Purchase Order: 0AS898

Credit Terms: 1%10, 30

Ship Via: Watkins

1%10, Net 30

FOB: Origin

Remarks:

IF UNDER 150# SHIP FEDEX GROUND COLLECT ACCOUNT# 0331-0149-0
 IF OVER 150# SHIP WATKINS MOTOR LINE ACCOUNT# 018757 - DO NOT INSURE
 DO NOT PREPAY AND ADD TO ANY OF THE ABOVE METHODS
 DO NOT SHIP EARLIER THAN TWO (2) WEEKS PRIOR TO DUE DATE, UNLESS SPECIFIED.

 BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
 AIRBUS APPROVAL# 30114

GOODS OF UNITED STATES ORIGIN

Ln	Item Number	Site T LocationLot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
1	CR9162-4-08	1600		EA	06/07/07
	Customer Item: MS20601AD4W8				
		K0604 86737839	13000.0		()



**TEST REPORTS
 ENCLOSED DO
 NOT DESTROY**



CHERRY®
AEROSPACE

SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: SO301082

Page: 1

Order Date: 12/18/06

Print Date: 07/11/07



Sold-To: 10015341

Ship-To: 19000244

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M&M AEROSPACE HARDWARE
PO BOX 025263
MIAMI, FL 33102-5263
USA

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M&M AEROSPACE HARDWARE
10000 N.W. 15TH TERRACE
MIAMI, FL 33172
USA

Salesperson (s):110

Purchase Order: 0AS898

Credit Terms: 1%10,30

1%10, Net 30

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Ln	Item Number	Site T LocationLot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
1	CR9162-4-08 Customer Item: MS20601AD4W8 	1600 K0604 86737839	13000.0	EA	06/07/07

TEST REPORTS
ENCLOSED DO
NOT DESTROY

CERTIFICATION

ATTENTION: PURCHASING DEPARTMENT

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Quality Assurance Representative

Signed

SIM NGUYEN



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
3	300	EA	MS21075L5		5346033-000	ALCOA KAYNAR FULLERT	15653		


05/08/15
Jason Lewis
Senior Director, Global Quality

Inv # 05/08/15

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947987921

Page: 1

Bill To: 5574
B/E AEROSPACE, INC.
P.O.BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date Order # Cust PO Ship Via Weight Pkgs #

09/29/10 F320666 OFZ642

Line/Rel	Item	Qty Ordered	Qty To Pack
4-1	BG4837 MF5000-5	50,000	6,725

C/I: MS21075L5N *Rev. 1*

PO Item #:

*** TSO C-148 APPVD PART. TSO LABEL REQ'D ***

Cust Date: 10/01/10

Kay Date: 08/31/10

Lot: 5346033-000

COO:UNITED STATES

Waybill:

ECCN:9A991 Schedule-B Number:7318.16.0000

The export classification appears above. You are responsible for all related export license requirements.

CHEM & PHYS & MFG C OF C REQ

DUAL CERT TO MF5000-5 AND NAS1068A5 *Rev. 13*

BILL LINE 4,5 & 6 TOGETHER

BUYER:YOLANDA

5-592-5155

PHONE: 30

Honeywell Source Accepted:

Christy Wiltjer *9/29/10*
Christy Wiltjer Date

K352

RMRA # (if appl) *NA*

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Christopher Fredrickson
CHRISTOPHER FREDRICKSON
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947987921

Page: 2

Bill To: 5574
B/E AEROSPACE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

=====

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
09/29/10	F320666	OFZ642			

=====

Line/Rel Item Qty Ordered Qty to Pack

*****ALLOWABLE SHIPPING TOLERANCE = +5% -10% *****
CHEM & PHYS & MFG C OF C
REQ "MUST STATE COUNTRY OF ORIGIN WHERE PARTS WERE MANUFACTURED ON CERTIFICATION FOR EACH LOT NUMBER" ALL L ITEMS ON THIS PO MUST BE NEW AND TO THE LATEST REV MFGS NAME & LOT# MUST APPEAR ON PACKING SLIP ON ALL PAPER WORK FOR ALL ITEMS.

IF UNDER 150 # SHIP VIA FED EX GROUND SE RVICE: BILL RECIPIENT ACCT: 0331-0149-0. IF OVER 150 # USE FED X N AT'L(WATKINS) ACCT. # 018757.
CUST REF: MUST BE THEIR PO # "DO NOT PRE PAY & ADD TO ANY OF THE ABOVE METHODS" & "CONSOLIDATE SHIPMENTS WHERE EVER APPROPRIATE" DO NOT SHIP PARTS BY ANY OTHER CARRIER THAN THOSE LISTED A

CERTIFICATE OF CONFORMANCE

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Christopher Fredrickson
CHRISTOPHER FREDRICKSON
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

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CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947987921

Page: 3

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From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

=====

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #

09/29/10 F320666 OFZ642

=====

Line/Rel	Item	U/M	Qty Ordered	Qty to Pack

BOVE, WITHOUT PROPER
WRITTEN AUTHORIZATION FROM M&M.
chem & phys certs

CERTIFICATE OF CONFORMANCE

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CUSTOMER'S COPY

**Alcoa
Fastening
Systems**

 Aerospace Products
Fullerton Operations
800 S.STATE COLLEGE BLVD
FULLERTON, CA 92831

TEST REPORT

8151105

Lot No.

5346033-000

Supplier Item No.

BG4837

Supplier Part No.

MF5000-5

Interchange Part No.

MF5000-5

Interchange Part No.

MS21075L5 Rev. 1

Interchange Part No.

MS21075L5N Rev. 1

Interchange Part No.

NAS1068A5 Rev. 13

Interchange Part No.

NAS1068RA5 Rev. 13

Interchange Part No.

Manufactured Quantity
6725

Mfg. Date

Generic Description

NUT ANCHOR 2 LUG

Thread Size

.3125-24

HEAT TREAT

AMS-H-6875

LUBRICATION

AS5272 TY I

NON-DESTRUCT

ASTM E1444 SAMPLE

PERFORMANCE

NASM25027

PLATE/COAT

QQ-P-416F CL 2 & CL 3 TY II

Material Spec. # 1
AMS 5085-GMill Heat No.
BTAN1622Control Heat No.
CC16493Material Supplier
CALSTRIP INDUSTRIES INCMaterial Spec. # 2
AMS 5085-GMill Heat No.
B22644Control Heat No.
CC14992CMaterial Supplier
CALSTRIP INDUSTRIES INC

Special Process Requirements:

THREADS AND GAUGING PER AS8879 AND

ANSI B1.3M SYS. 22

MIN EQUALS BKWY MAX EQUALS INST

TEST RESULTS

TEST No. Description	JOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 010 TORQUE TEST	IN#	1	1	24.65	28.30		6.50	60.00
			7	26.35	27.80			
			15	27.60	29.75			
		2	1	20.35	23.75			
			7	24.75	28.15			
			15	27.70	26.55			
		3	1	21.10	24.50			
			7	25.90	28.30			
			15	28.70	30.10			
		4	1	27.00	27.30			
			7	25.35	26.50			
			15	28.55	32.95			
		5	1	17.55	24.65			
			7	22.20	29.65			
			15	24.40	33.60			
2 - 020 TENSILE TEST	LBS	1	1	7920.00			7390.00	
		2	1	7888.00				
		3	1	7910.00				
		4	1	7867.00				
		5	1	10676.00				
3 - 050 EMBRITTLEMENT	HRS	1	1			Pass		

TEST RESULTS - Continued on next page.

THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED

The product identified on this Certificate has been manufactured, tested and unless otherwise noted, conforms in all respects to the applicable drawings, specifications and standards. Complete reports of physical and chemical tests are on file for examination. If no specified customer quality level is required, goods conform to sellers quality level. All Damages Exceeding Price are Excluded. For items certified to BPS-N-70 alloy verification has been performed on parts with a date of manufacturing on or after January 1, 2001. Quality system sampling plan conforms to the requirement of QAP EQ001, QAP EQ002, QAP EQ003. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**

 Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831

TEST REPORT

8151105

Lot No.

5346033-000

 Supplier Item No.
BG4837

 Supplier Part No.
MF5000-5

TEST RESULTS - Continued from previous page

TEST No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
23 HOURS		2	1			Pass		
		3	1			Pass		
		4	1			Pass		
		5	1			Pass		
		6	1			Pass		
		7	1			Pass		
		8	1			Pass		
		9	1			Pass		
		10	1			Pass		
4 - 070 TORQUE-OUT	LBS	1	1	160.00			160.00	
		2	1	160.00				
		3	1	160.00				
		4	1	160.00				
		5	1	160.00				
5 - 080 PUSH-OUT	LBS	1	1	125.00			125.00	
		2	1	125.00				
		3	1	125.00				
		4	1	125.00				
		5	1	125.00				
6 - 110 HARDNESS	RC	1	1	42.00	43.00			
HRC 42-46 (per drawing)								

Component #	Lot Number	Supplier Part No.	Supplier Item No.
1	5340653-000	MF5000-5FB	BG4842
Manufactured Quantity	Mfg. Date	Generic Description	Thread Size
		BASKET	
Material Spec. #	Mill Heat No.	Control Heat No.	Material Supplier
AMS 5085-G	BTAN1622	CC16493	CALSTRIP INDUSTRIES INC
Component #	Lot Number	Supplier Part No.	Supplier Item No.
2	5340654-000	MS100 .032 X 1.062 STRIP	082633
Manufactured Quantity	Mfg. Date	Generic Description	Thread Size
	07/24/10		
Material Spec. #	Mill Heat No.	Control Heat No.	Material Supplier
AMS 5085-G	BTAN1622	CC16493	CALSTRIP INDUSTRIES INC
Component #	Lot Number	Supplier Part No.	Supplier Item No.
3	5340665-000	MF5000-5XN	BG4845
Manufactured Quantity	Mfg. Date	Generic Description	Thread Size
		NUT ELEMENT	
Material Spec. #	Mill Heat No.	Control Heat No.	Material Supplier
AMS 5085-G	B22644	CC14992C	CALSTRIP INDUSTRIES INC

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Christopher J. Fredrickson
CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

8151105

Lot No.

5346033-000

Supplier Item No.

BG4837

Supplier Part No.

MF5000-5

Component #

4

Lot Number

5340662-000

Supplier Part No.

F0412A5000B1K006500

Supplier Item No.

HAL749

Manufactured Quantity

Mfg. Date

Generic Description

Thread Size

Material Spec. #

1

Mill Heat No.

B22644

Control Heat No.

CC14992C

Material Supplier

CALSTRIP INDUSTRIES INC

Component #

5

Lot Number

5303067-000

Supplier Part No.

MS100 .055 X 1.125 STRIP

Supplier Item No.

084922

Manufactured Quantity

Mfg. Date

02/03/09

Generic Description

Thread Size

Material Spec. #

1

Mill Heat No.

B22644

Control Heat No.

CC14992C

Material Supplier

CALSTRIP INDUSTRIES INC

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CHRISTOPHER J. FREDRICKSON QA MGR.

CERTIFIED TEST REPORT**Calstrip Steel Corporation**

REGISTERED ISO 9001:2000

7140 Bandini Blvd. * Los Angeles, CA 90040-3388
(323)726-1345 * Fax (323)722-8269

Customer: ALCOA FASTENING SYSTEMS Address: P.O. BOX 1186 PITTSBURGH, PA 15230	Order Number: S60503 / W72920 Customer PO: 220446308 Shipped Date: 07/12/2010 Packlist ID: 98746
Part ID: 082695-CS Description: CR1050 .032 X 8.500 X COIL Drawing #: 082695 Rev #:	Material Spec: AMS 5085G, ASTM A827-02, MS 100 REV.7

HeatID: BTAN1622

CHEMICAL ANALYSIS

CC16493

C	Mn	P	S	Si	Ni	Cr	Cu	Mo	Resi
0.5090	0.6194	0.0088	0.0064	0.1772	0.0751	0.1082	0.1396	0.0184	
W	V	Sn	Ti	Al	Ca	Zr	Co	N	B
	0.0010	0.0206	0.0016	0.0280	0.0021			0.0086	

MECHANICAL AND PHYSICAL PROPERTIES

Yield	Tensile	Elong %	Hardness	Bend Test
			HRB 80	OK
Grain Size	Olsen Test	Spher%	Decarb	Reduct %
8		100	0	

Skid Numbers	# of Coils	Weight
W72920-1	1	2,616
W72920-2	1	2,702
	2	5,318

Comments: SOURCE- DUFERCO (USA)

7/16/10

2-249

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

MARIO VARGAS

Technical Services

Form #:

Print Date: 7/12/2010

Page: 1

Date Created: Wed Sep 29 21:39:34 2010

SHIPPER#: 9947987921

Sold To:

Vendor:

CALSTRIP STEEL CORPORATION
7140 BANDINI BLVD.
LOS ANGELES, CA

DUFERCO FARRELL CORP
15 ROEMER BOULEVARD
FARRELL, PA 16121
Phone:
Fax:

Ship To:

CALSTRIP STEEL CORPORATION
C/O OMEGA STEEL INC.
7140 BANDINI BLVD.
LOS ANGELES, CA 90040

Coil ID	Sales #	Cust PO#	Part#	Heat #	Weight	Gauge	Width
7519749A	251209	4779CS-4	NOTDEFINED	BTAN1004	18,380	.0321	42.13

Chemistry Information:

AL .03	C .5153	CA .0017	CB .0029	CR .1089	CU .1404	MN .7289
MO .0188	N .0074	NI .0757	P .009	S .0017	SI .1749	SN .0178
TI .0019	V .0009					

Coil ID	Sales #	Cust PO#	Part#	Heat #	Weight	Gauge	Width
7519749B	251209	4779CS-4	NOTDEFINED	BTAN1004	18,700	.0321	42.13

Chemistry Information:

AL .03	C .5153	CA .0017	CB .0029	CR .1089	CU .1404	MN .7289
MO .0188	N .0074	NI .0757	P .009	S .0017	SI .1749	SN .0178
TI .0019	V .0009					

BOL	# Coils	Date	Type	Carrier	Vehicle #
618322	2	2010-06-09	Rail	NORFOLK AND SOUTHERN RAIL	N5165691

Coil ID	Sales #	Cust PO#	Part#	Heat #	Weight	Gauge	Width
7519800A	251207	4779CS-3	NOTDEFINED	BTAN1622	17,890	.0311	42.13

Chemistry Information:

AL .028	C .509	CA .0021	CB .0033	CR .1082	CU .1396	MN .6194
MO .0184	N .0086	NI .0751	P .0088	S .0064	SI .1772	SN .0206
TI .0016	V .001					

Coil ID	Sales #	Cust PO#	Part#	Heat #	Weight	Gauge	Width
7519800B	251207	4779CS-3	NOTDEFINED	BTAN1622	18,390	.0311	42.13

Chemistry Information:

AL .028	C .509	CA .0021	CB .0033	CR .1082	CU .1396	MN .6194
MO .0184	N .0086	NI .0751	P .0088	S .0064	SI .1772	SN .0206
TI .0016	V .001					

SHIPPER#: 9947987921

Duferco

Farrell Corporation

DUFERCO FARRELL CORP.
15 ROEMER BOULEVARD
FARRELL, PA 15121
PHONE 724-983-9464

06/05/2010 15:09
CSTM0105
Page 3 of 3

CERTIFICATE OF TEST FOR COIL 7519800B HEAT# BTAN1622

SOLD TO: CALSTRIP STEEL CORPORATION 7140 SANDW BLVD. LOS ANGELES, CA 90040 SHIP TO: CALSTRIP STEEL CORPORATION C/O OMEGA STEEL INC. 7140 SANDW BLVD. LOS ANGELES, CA 90040	ORDER SPECIFICATIONS		
	CUSTOMER PO: 4779CS-J RESULTS FOR COIL: TYPING PRODUCT TYPE: CR PRODUCT CATEGORY: HA ORDERED QUANTITY: 1239 ORDERED GAUGE: .0311 NOM GAUGE TOL: +.0005/.0010 ORDERED WIDTH: 42.0000 IN WIDTH TOL: +.0025/.0030	ORDER: 251207 SPRD: CUT PRDNG: 2000 AA HARDNESS: 82 RB MAX HARDNESS RANGE: 80-100 RB MAX WELD: TENSILE: ELONGATION: REMARKS:	ITEM: 50232930 SEWERITY SPEC: ASTM A588 CUSTOMER SPEC: CUSTOMER PART #: CERT #: 2 CUSTOMER NOTE:

JOB #	COIL #	SIZE	WGT	HARDNESS
251207-01	7519800			65-30T
	7519800A	.0311 x 42.0000	17890	
	7519800B	.0311 x 42.0000	18390	

HEAT# BTAN1622

C: .51-MN: .52-P: .008-S: .006-SI: .177-AL: .028-CL: .140-MR: .075-CR: .108-MO: .018-SN: .021-TI: .002-V: .001-NB: .003-N: .0086-B: *-CA: .0021-CE: *-ZP: *-AS: *-SE: *

JOB #	COIL #	SIZE	WGT
251207-01	7519800A	.0311 x 42.0000	17890

HEAT# BTAN1622

C: .51-MN: .52-P: .008-S: .006-SI: .177-AL: .028-CL: .140-MR: .075-CR: .108-MO: .018-SN: .021-TI: .002-V: .001-NB: .003-N: .0086-B: *-CA: .0021-CE: *-ZP: *-AS: *-SE: *

Elements with a reported value of *** were undetected, and thus are less than .001%.

Manufactured in the United States of America

DUFERCO FARRELL CORPORATION certifies that the material listed herein has been tested in accordance with the methods prescribed in the governing specifications. Based upon the results of such testing, the material conforms to the specifications. All testing has been performed using the current revision of the testing specifications.

[Signature]
Date F Skidons
Supervisor - Metallurgical Lab

SHIPPER#: 9947987921

Date Created: Wed Sep 29 21:39:34 2010

SHIPPER#: 9947987921

CERTIFIED TEST REPORT**Calstrip Steel Corporation**7140 Bandini Blvd. * Los Angeles, CA 90040-3388
(323)726-1345 * Fax (323)722-8269

Customer: ALCOA FASTENING SYSTEMS Address: P.O. BOX 1186 PITTSBURGH, PA 15230	Order Number: S46436 / W57773 Customer PO: 220351001 Shipped Date: 10/31/2008 Packlist ID: 78584
Part ID: 084995-CS Description: 1050 ANN .055 X 8.250 X COIL Drawing #: 084995 Rev #:	Material Spec: 1050 AMS 5085G & MS100 REV. 7, ASTM A827-02

HeatID: B22644

CHEMICAL ANALYSIS

CC14992C

C	Mn	P	S	Si	Ni	Cr	Cu	Mo	Resi
0.5000	0.7800	0.0120	0.0020	0.2100		0.0400	0.0100		
W	V	Sn	Ti	Al	Ca	Zr	Co	N	B
	0.0020	0.0040	0.0030	0.0250	0.0020			0.0052	0.0003

MECHANICAL AND PHYSICAL PROPERTIES

Yield	Tensile	Elong %	Hardness	Bend Test	Skid Numbers	# of Coils	Weight
			HRB 79	OK	W57773-1	1	1,732
					W57773-2	1	2,082
						2	3,814

Grain Size	Olsen Test	Spher%	Decarb	Reduct %
8		100	0	

Comment: SOURCE-ARCELOR MITTAL (USA)

11-03-08

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

MARIO VARGAS

Technical Services

Form #:

Print Date: 10/31/2008

Page: 3

SHIPPER#: 9947987921

ADVANCE SHIP NOTICE

1187306

ArcelorMittal Riverdale Inc.

ArcelorMittal

REV
0DATE SHIPPED
09/15/2008

BILL OF LADING 01187306	CARRIER MITTAL RIVERDALE	CARTRAILER NO. CSP16	ARRIVAL DATE																																																																						
FREIGHT PAYMENT Collect	NET WEIGHT 18320 LBS	TARE WEIGHT																																																																							
SHIP TO (001076-001) NADACO STEEL INC. C/O NACME STEEL PROCESSING 428 WEST 18TH STREET CHICAGO, IL 60628 ATTENTION: NANCY DOLKOWSKI																																																																									
OUR ORDER: 587427 YOUR P.O.: 09344 FOB: FOB M111 ALT P.O.: 48560 LBS / 1 Coil DC3 EX0904250-01 0.0300 Nom -0.0080/ +0.0080 X 48.5000 + 1.1250 ME (IN) ID 0.0/0.0 OD 0.0/0.0 (IN) Hot Band Kansas Prime Carbon 1050 C R/2 END USE: EXCESS STOCK COIL 769426 LOT NBR W.O. # QUANTITY UM B22644 ✓ 46360 LBS / 1 Coil																																																																									
----- C E R T I F I C A T I O N ----- <table border="1"> <thead> <tr> <th>TEST CLASS</th> <th>LOT NBR</th> <th colspan="8">P R O P E R T I E S</th> </tr> <tr> <th>Chemical:</th> <th>B22644</th> <th>C</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Si</th> <th>Cu</th> <th>Ni</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0.50000</td> <td>0.78000</td> <td>0.01200</td> <td>0.00200</td> <td>0.21000</td> <td>0.01800</td> <td>0.0000</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Cr</td> <td>Mo</td> <td>Sn</td> <td>Al</td> <td>V</td> <td>Co</td> <td>N</td> <td></td> </tr> <tr> <td></td> <td></td> <td>0.04000</td> <td>0.00000</td> <td>0.00400</td> <td>0.02500</td> <td>0.00200</td> <td>0.00000</td> <td>0.0052</td> <td></td> </tr> <tr> <td></td> <td></td> <td>B</td> <td>Ca</td> <td>Ti</td> <td>Se</td> <td>Ca</td> <td>O</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>0.00010</td> <td>0.00000</td> <td>0.00300</td> <td>0.00000</td> <td>0.0020</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TEST CLASS	LOT NBR	P R O P E R T I E S								Chemical:	B22644	C	Mn	P	S	Si	Cu	Ni				0.50000	0.78000	0.01200	0.00200	0.21000	0.01800	0.0000				Cr	Mo	Sn	Al	V	Co	N				0.04000	0.00000	0.00400	0.02500	0.00200	0.00000	0.0052				B	Ca	Ti	Se	Ca	O					0.00010	0.00000	0.00300	0.00000	0.0020			
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Report 103
Version 1.0
12/18/2007

CERTIFIED REPORT OF CHEMICAL ANALYSIS AND MECHANICAL TESTS

SOLD TO		VENDOR																						
NADAGO STEEL INC. C/O NACHE STEEL PROCESSING 428 WEST 127TH STREET CHICAGO IL		Mittal Steel Riverdale 13500 South Perry Avenue Riverdale, IL 60827																						
SHIP TO		ORDER INFORMATION																						
NADAGO STEEL INC. C/O NACHE STEEL PROCESSING 428 WEST 127TH STREET CHICAGO IL		PO#: 00344 Invoice #: 0500018459 SO#: 357437 Carrier: MITTAL RIVERD Shipped: 5/18/2008																						
DIMENSIONAL INFORMATION																								
Coil	Thickness (in)	Width (in)	Weight (tons)	End Use	Reduction Ratio																			
789420	0.090	48.500	23.5	EXCESS	95.94% (24:1)																			
PRODUCT INFORMATION																								
Grade	Part Number	Comments																						
1030	HC0904850-01																							
We verify that the material meets the requirements of the product program. This material was tested and manufactured in the USA. All products are tested and verified by a variety of destructive methods. Disputing format on 2" page length.																								
MECHANICAL / PHYSICAL TEST RESULTS																								
Coil	Yield	Tensile	5 Y	50	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
CHEMICAL TEST RESULTS																								
Heat	C	Mn	P	S	Si	Al	Ni	Cr	Mo	Cu	V	Nb	Hf	Bi	Te	Ce	La	Co	O	H				
R22644	.50	.76	.017	.002	.21	.01	.00	.04	.00	.000	.002	.025	.0022	.004	.0003	.0030	.0020	.0000						

We hereby verify the above is correct as contained in the records of the corporation

Peter Gaudreau

Peter Gaudreau



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LIN#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
7	1000	EA	NAS1149D0563J		V7583	ANILLO INDUSTRIES	10630		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

ANILLO Industries, Inc.

2090 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA

PLEASE REMIT TO

P.O. BOX 5586 ORANGE, CA 92863-5586 USA

(714)637-7000 (562)924-6632 FAX(714) 637-3022

AS9100
NADCAP CP
ISO 9001
CERTIFIED**501585****Packing List &
Certification**

WE ACCEPT

VISA/MASTER/DISCOVER/AMEX

SOLD TO B/E AEROSPACE, INC. ATTN: ACCOUNTS PAYABLE DEPT. P.O. BOX 025263 MIAMI, FL 33102-5263	1165	SHIP TO B/E AEROSPACE, INC. CONSUMABLES MANAGEMENT 9835 NW 14TH ST MIAMI, FL 33172	E
------------------------------------------------------------------------------------------------------------------	-------------	-------------------------------------------------------------------------------------------------------	----------

DATE ORDER REC'D 05/06/2011	ORDER NUMBER OYL616	INVOICE DATE	SHIPPED VIA FED X GROUND	TERMS 1% 10 DAYS, NET 30
ITEM	ORDERED	SHIPPED	DESCRIPTION	NET WEIGHT

1 125,000 **125,000** **NAS1149D0563J**
REV 4 /LOT#V7583/V7644 /QCR:1,4,6,8,15,16,
ECCN: 9A991 Schedule B#: 7616.10.8000 COO: US NLR

We certify that: 1. item number 1 above is manufactured in accordance with the material and processing specifications of this order.
2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods.
No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

<< R.M.A.# REQUIRED FOR RETURNS >>

Certification

STAMP

DATE 6/10/11

LOT V7583=120256/V7644=4744

BY Ben Omidwar
Ben Omidwar, Quality Assurance Manager

FI 4.03.05

CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet, the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

Mark J. Vrabec

Mark J. Vrabec
Director of Manufacturing Davenport Works

Kenton P. Young

Kenton P. Young
Quality Assurance Manager

Alcoa Inc.

PITTSBURGH, PA DAVENPORT WORKS
Ship From: RIVERDALE, PA

952217
Ship Date

0 B.I. No.

Invoice No
00000

Alcoa No. Item
5199165-1

Page 1

2008-08-19 3049782

P.O. No./Govt Contract No.

CUSTOMER Mfg. Order

ROBING-TMX DT-99165-1

TQ1574

Ship To: THE ROBING COMPANY
TMX ABROSPACE DIVISION
12823 CARMENITA ROAD
UNIT F
SANTA FE SPRINGS 90670 CA

Item Description
0.063-IN TX (+.003 -.003) X 48.0 IN W (+.046875 -.046875) (N) A/T ALCLAD 2024-T3 COILED SHEET MILL FINISH 895699-
7.- AMS-QQ-A-250/5 REV A IS 2007 AS9103 D6-
82499 REV D ((MARKED)) LIGHTLY OILED COIL
SIZES: ID 26 IN OD MAX 48 IN
MAX GROSS SKID WGT: 7500 LB QUAN TOL +/- 10
% COR 0108580 REV 08 CUST REQ 08-08-
18 *** W/E 08-08-23 ***

818763

Num	Package Ticket	Lot	Weight	Quantity	COM	PC Id/Serl
1	669469-	711091	5640	1	PC	
2	669935-	711092	5551	1	PC	
3	669937-	711093	5531	1	PC	
4	670307-	711093	5166	1	PC	
			21888	4		

Notes for COR: 0108580.8
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/5 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/5P, AMENDM ENT 2.
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/5P, AMENDMENT 2 ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/5.

QQR: 0108580.8 -Specification Limits

Temp	Dir	Max	UTS	TYS	ELAD										
T3	Long Transv.	Min	KSI	KSI	PCT										
		61.0		40.0	15										
Chemical Composition						SI	FE	CU	MN	MG	CR	ZN	TI	Each	Other
Alloy 2024						Max	0.50	0.50	1.9	0.9	1.8	0.10	0.25	0.15	0.05
Chemical Composition						Min			3.8	0.30	1.2				0.15
LINER															REMAIN
Alloy 1230						Max	0.70	0.10	0.05	0.05	0.05	0.10	0.03	0.03	99.30
						Min									

NA#11490563J
V7503



CERTIFIED INSPECTION REPORT

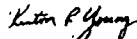
Alcoa Inc.

PITTSBURGH, PA DAVENPORT WORKS
Ship From: RIVERDALE, IA

We hereby certify that the material covered by this certificate has been inspected visually and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.



Mark J. Vrabec
Director of Manufacturing Davenport Works



Vernon P. Young
Quality Assurance Manager

952247

Ship Date

0

B.L. No.

Invoice No

Alcoa No. Item

Page 2

2008-08-19

3089782

00000

5199165-1

P.O. No./Govt Contract No.

Customer Mfg Order

TJ1254

BOEING-TMX DT-99165-1

CQR: 0108580.8 - Specification Limits (cont.)

Lot: 711091 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	UTS	TYS	ELAD
T3	Long Transv.	2	63.5	43	19.5
			63.9	43.2	19

Cast Number	Chemical	OES	SI	FE	CU	MN	MG	CR	ZN	TI
H9696083	Actuals	0.07	0.15	4.7	0.64	1.5	0.00	0.12	0.03	

Lot: 711092 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	UTS	TYS	ELAD
T3	Long Transv.	2	64.2	43.3	19
			63.7	43.4	19

Cast Number	Chemical	OES	SI	FE	CU	MN	MG	CR	ZN	TI
H9696084	Actuals	0.07	0.15	4.7	0.64	1.5	0.00	0.12	0.03	

Lot: 711093 - Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	UTS	TYS	ELAD
T3	Long Transv.	2	64.4	43.4	19.5
			64.5	43.8	19

Cast Number	Chemical	OES	SI	FE	CU	MN	MG	CR	ZN	TI
H9694076	Actuals	0.06	0.16	4.6	0.65	1.5	0.00	0.11	0.03	

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States.

NAF1149D05635

V7S03

Certification

ARLIS INDUSTRIES, INC.
2000 North Street St.
Orange, CA. 92665-3301
(714) 637-9110

This is to certify that the below listed parts were processed per the applicable specification listed below.

Test reports and procedures governing this process are on file and subject to examination.

CHEMICAL FILM MIL-DTL-5541

Type	Class	Thickness	Revision
I	3		F

Job Number: **V7583** Quantity: **378,800**

Visual: **Y**

Part Number: **NAS1149 D 0563 J**

Adhesion: **N**

Description:

Date: **09/23/2010**

Authorized by: **Maria r.**

Stamp:



FORM # 4.09.117 REV A 05/19/09



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 650 LONGBEACH BLVD, STRATFORD, CT 06615


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: AIR INUIT LTD

PURCHASE ORDER#: M111306

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	Eff Date	EXP DATE
1	10	EA	06DU08		M11A		



Jason Lewis
Senior Director, Global Quality

05/08/15

Inv #H2NXXH 05/08/15



CRESCENT MANUFACTURING CO.

P.O. BOX 1350
BURLINGTON, CT 06013-1350
(860) 673-2591



CRESCENT MANUFACTURING CO.

700 GEORGE WASHINGTON TURNPIKE
BURLINGTON, CT 06013
MADE IN U.S.A.

PAGE 1

Order# 49536

M&M AEROSPACE HDW

PO BOX 025263

MIAMI, FL 33102-5263

CUST. PO. NO. 082813

S
H
I
P
T
O

M&M AEROSPACE
10000 NW 15TH TERRACE
MIAMI, FL 33172

BS

COL363159 NO OVER 200+ WA

P 31

ORDER DATE	CUST. NO.	CUST. P.O. NO.	SHIP VIA			
12/22/05	11610	082813	UPS COLLECT			
LINE NO.	ORDERED	ITEM NO/DESCRIPTION	LOCATION	STK	QUANTITY TO SHIP	QUANTITY PICKED
10	25	MS51957-45B 8-32 X .500 PH PAN SS BLACK OXIDE		0	25	25m
11		CHEM & PHYS TEST REPORT				25m
003778 1e13m 1e12m CWN 144302 KNSx04691						

PACKING LIST

38231

Nº 38231

CERTIFICATE OF COMPLIANCE TEST REPORT

MADE IN THE U.S.A.

CUSTOMER NAME M&M AEROSPACE HDW

PURCHASE ORDER NO. OB2813

PART NO. MS51957-45B REV D

QUANTITY TWENTY FIVE THOUSAND

MATERIAL/SPECIFICATION .144 302HQ CINCINNATI KNSX04691

DATE 1/31/2006

PHYSICAL PROPERTIES

TENSILE STRENGTH HARDNESS SCALE

- | | |
|----------------|----|
| 1) 1588.9 LB T | 1) |
| 2) 1589.3 LB T | 2) |
| 3) 1589.8 LB T | 3) |
| 4) 1616.6 LB T | 4) |
| 5) 1579.0 LB T | 5) |
| 6) | 6) |
| 7) | 7) |
| 8) | 8) |

CONFORMS TO THE PROCUREMENT SPECIFICATIONS OF:

FF-S-92B

OTHER MECHANICAL TEST DATA

- ☒ MEET MAGNETIC PERMEABILITY
REQUIREMENTS OF FF-S-92B AND MIL-I-17214B

PARTS ARE FREE FROM MERCURY CONTAMINATION.
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY

OTHER TESTING:

FINISH

BLACK OXIDE PER MIL-DTL-13924D CL4

ADDITIONALLY, AN ANSI/ASQC Z 1.4 SAMPLE OF THE
FINISHED FASTENERS WERE TESTED IN ACCORDANCE WITH
APPLICABLE SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA
ARE IN OUR RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE
AND WILL BE HELD AS REQUIRED.

Signature

Norman J. Poretsky
FOR SIGN

CRESCENT MANUFACTURING HOLDINGS, LLC
ISO 9001 : 2000 REGISTERED # 48791-1



Cage Code #63020
700 George Washington Turnpike, Burlington, CT 06013, U.S.A.
Telephone: (860) 673-2591 Fax: (860) 673-5973



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 650 LONGBEACH BLVD, STRATFORD, CT 06615

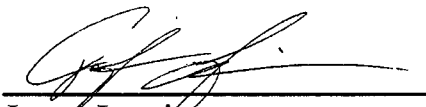
Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
17	50	EA	MS51957-45B		38231	CRESCENT MFG.	63020		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv #H2NY0L 05/08/15



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.719
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMC9
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28407

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
5	10	EA	NAS43DD3-128FC		0081288	MINI MAC	8X408		


Jason Lewis
Senior Director, Global Quality

05/08/15

Inv # 05/08/15

Mini-Mac, Inc.

Ship To
1703 Southwest Blvd
Wichita, KS 67213

Mail To
P.O. Box 286
Derby, KS 67037

Phone (316) 733 - 0661
Fax (316) 733 - 4250
Fed Tax ID 48-0768147

Packing Slip


Page 1

Sold To

B/E Aerospace, Inc.
P.O. Box 025263
Miami, FL 33102-5263

Shipped To

B/E Aerospace, Inc.
9835 NW 14th Street
Miami, FL 33172

Freight Collect UPS / Acct# 363159		COD Charge	Insured Value
Date Shipped 07/03/13	Your Order No. OJVH88		Packing Slip No. 0081288
Quantity	Description		
12,500 EA	NAS43DD3-128FC Rev 12 Mat Lot No: 052013 Plate: 6052 Prod Lot#: 0081288		
1 EA	CERT CHARGE Prod Lot#: 0081288		
<p style="text-align: center;">Certificate of Conformance We hereby certify that the materials covered by this certification meet the applicable requirements of this order, drawing, and/or specification. Supporting evidence is on file for examination.</p> <p style="text-align: center;"> Inspector</p>			

Original

KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
8573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

3003
Lot No.
052013

CUSTOMER PO NUMBER: 724366-1		CUSTOMER PART NUMBER: 312X.049		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 212322	LINE ITEM: 001	SHIP DATE: 02/22/2013	KAISER LOT NUMBER: F00138143	ALLOY: 2024	TEMPER: T3
WEIGHT SHIPPED: 1554.000 LB	QUANTITY: 2644.000 PCS	B/L NUMBER: 213243	DIAM/ID/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: FUTURE METALS INC 3751 NEW YORK AVE. SUITE 100 ARLINGTON, TX 76014 USA			SOLD TO: FUTURE METALS INC PO BOX 28450 TAMARAC, FL 33320 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONTRACS	BEND
F00138143	0001	1	70.5	48.2	14.5	N/A	N/A	N/A
F00138143	0002	1	71.4	49.8	22.0	N/A	N/A	N/A
F00138143	0003	1	69.5	48.2	26.0	N/A	N/A	N/A
F00138143	0004	1	71.5	51.4	17.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.50	0.50	4.90	0.90	1.80	0.10	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.00	0.00	3.80	0.30	1.20	0.00	0.00	0.00	NA	NA	NA	0.00	0.00
D37417	.09	.17	4.71	.78	1.30	.01	.11	.03	.00	.00	.01	.01	.02
D37416	.10	.19	4.53	.75	1.38	.01	.13	.03	.00	.00	.01	.01	.02

Applicable Requirements:

Description: OD: 0.312"; Wall: 0.049"; Round @
AMS-4088K AMS-WW-T-700/3A WW-T-700/3F
No Weld Repair. Mercury Free.

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

716180
716181
716177
716178
716179

CERTIFICATION

CHECKED

FUTURE METALS, LLC

REVIEWED

Accept ☒ Reject ☐
Date 5-28-13 Name *Lee*

Page 1 of 2

Plant Serial: 00014745
Kaiser Order Number: 212322
Line Item: 001

Future Metals
3751 New York Ave. Suite 100 Arlington, TX 7

Certificate of Conformance

This certifies that material, parts, and/or assemblies covered by this report have been inspected and accepted to the applicable specifications in accordance with the requirements of the customers Purchase Order. Results of all inspections, chemical and physical tests, as well as evidence, which shows acceptability of raw materials, parts and/or assembly as other components are on file and available for inspection.

Lee Hayley

Quality Control Representative
Lee Hayley

TIN 716181

Customer Name
MINI-MAC INC
Additional Info

Customer P.O.
5959
Qty
6000'

Shipper Number
TX19574D
Date
20May2013

Pieces
500

Accurate Anodizing Inc.

P.O. Box 5207
1801 W. El Segundo Blvd
Compton, CA 90224
Phone: (310) 637-0349 Fax: (310) 637-6099

Specializing in
MIL-A-8625 Type II and MIL-DTL-5541
ISO 9001:2008 CERTIFIED

Certification/Packing Slip

Date	Invoice #
6/26/2013	60578

Bill To
MINI-MAC, INC. P.O. Box 286 Derby, KS 67037

Ship To
MINI-MAC, INC. 1703 South West Blvd. Wichita, KS 67213

Ship	P.O. Number	Via	Terms	Due Date
6/26/2013	6052	Estes	NET 30	7/26/2013

Quantity	Units	Description	Misc.
46	LBS	Part: NAS43DD3-112FC Pieces: 6500 Containers: 1 Process: Chem-filmed per MIL-DTL-5541F Type 1 Class 1A (Meets and Supersedes MIL-C-5541E Class 1A), BLUE	19. MIN LOT
105	LBS	Part: NAS43DD3-128FC Pieces: 13000 Containers: 2 Process: Chem-filmed per MIL-DTL-5541F Type 1 Class 1A (Meets and Supersedes MIL-C-5541E Class 1A), BLUE	20.
		Subtotal Waste Treatment Surcharge	
<p style="text-align: center;">REVIEWED</p> <p>Accept <u>✓</u> Reject <u> </u> Date <u>7-1-13</u> Name <u>Bob</u></p>			

ACCURATE ANODIZING CERTIFIES THAT THESE PARTS WERE PROCESSED IN ACCORDANCE WITH THE PROCESSES OR SPECIFICATIONS LISTED ABOVE. FINISH REQUIREMENTS, THAT ARE NOT REQUIRED TO BE TESTED DIRECTLY, ARE CONTROLLED THROUGH STATISTICAL MEANS AND MONTHLY TESTING; ACCURATE ANODIZING ASSUMES NO RESPONSIBILITY FOR FAILURES RESULTING FROM NORMAL STATISTICAL VARIATION.

Approved by Quality Assurance: [Signature]

Received By / Date:

KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
8573 W. WILLIS ROAD
CHANDLER, AZ 85226

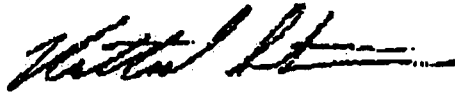
CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

3003
Lot No.
052013

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Nathaniel Stevens, Quality Manager



CERTIFICATION

CHECKED

Future Metals, LLC

REVIEWED

Accept ☒ Reject

Date 5-28-13 Name Bob

Page 2 of 2

Plant Serial: 00014745
Kaiser Order Number: 212322
Line Item: 001

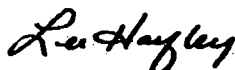
Future Metals

3751 New York Ave. Suite 100 Arlington, TX 7

Certificate of Conformance

This certifies that material, parts, and/or assemblies covered by this report have been inspected and accepted to the applicable specifications in accordance with the requirements of the customer's Purchase Order. Results of all inspections, chemical and physical tests, as well as evidence which shows acceptability of raw materials, parts and/or assembly as other components are on file and available for inspection.

TM 716101



Quality Control Representative
Lee Haifley

Customer Name
MINI-MAC INC
Additional Info

Customer P.O.
5959

Qty
6000

Pieces
500

Shipper Number
TX19574D
Date
20May2013